20030508.qrp v02_n914.qrl.20030508

Date: Thu, 8 May 2003 19:03:07 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2914

QRP-L Digest 2914

Topics covered in this issue include:

Date: Wed, 7 May 2003 16:14:41 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'michael.babineau@sympatico.ca'" <michael.babineau@sympatico.ca>
Cc: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [150157] Re: Technical Question: Op AMP / receiver audio amplifier design
Message-ID: <7FD24C15A06DD511BF9E00D0B73E995206FBFF55@az33exm05.corp.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

>The question that I have is with regards to the NE5534N based preamp.
>Across pin 2 (inverting input) and pin 6 (output) there is an RF with a
>value of 560 ohms but what has me a bit confused is two IN4148 Silicon
>diodes wired anode to cathode in parallel to RF. Can anyone explain to
>me what purpose these diodes fulfill within this amp?

I do not have the schematic in front of me, so these comments might not be entirely correct.

This gives audio limiting for very hot signals. This is designed to limit only during transmit when the mute switch is active. They are not useful during the normal receive operation as the LM380 has about 40 db of gain which will easily saturate with 1.4v peak-peak input when these diodes kick in.

They probably help reduce "thump" on the transmit to receive change over by limiting the signal the receiver hears (self generated side tone) when transmitting.

>Interestingly enough this whole preamp stage is omitted in the Explorer
>II design. It appears that the output of the Product Detector is fed
>directly into
>the receiver mute circuit in the Explorer II, which really makes me
>wonder
>what if anything useful this preamp stage is really doing? I would have
>thought
>that the LM380N has sufficient gain without needing a preamp stage
>preceding it?
>With the exception of the added variable bandwidth IF filter, an
>improved AGC
>circuit and the omission of this audio preamp the remainder of the
>Explorer
>II receiver is virtually identical to the original Explorer, including
>the use of the
>LM380N as an audio amp.

I assume the first mixer is an NE602, and the post crystal detector is also a NE602. This has certainly been a popular line up.

My experience has been that receiver driving headphones needs about 90 db of gain, while an extra 20 db is needed on top of that to drive an external speaker.

The two 602s will give perhaps 20 db each, while the LM380 will give 40 db. The preamp is sometimes used with both the + input and - input across the two differential outputs of the detector NE602 to get an extra 6 db of gain. If the preamp had no other gain than this summing capability, the rig would have about 86 db of gain, which is about right.

>Out of curiosity I may completely bypass this preamp stage just to
>see how receiver performance is impacted. I guess I could always use
>this stage, including the NE5534N as an audio bandpass filter with the
>addition of a few components. This is what I though this stage was
>doing when
>I first glanced at the schematic but the absence of capacitors in

>critical
>places made me conclude that this stage was intended for amplification
>not
>filtering.

If this is a superhet, additional filtering is not strictly necessary after the crystal filtering. However, audio roll off is useful in reducing high frequency hiss
that will be created at the detector (20 db of gain), summed by the preamplifier (>6 db of gain) and amplified by the audio amplifier (40 db of gain).

If the preamplifier is simply doing a summing function with no additional gain other than the 6 db from differential summing, then it could probability be eliminated with some loss in signal gain.

- Dan, N7VE

Date: Wed, 7 May 2003 20:07:22 -0400
From: Rick McKee <kc8aon@juno.com>
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU
Subject: [150158] Pixie 2 QRP
Message-ID: <20030507.200730.8974.1.kc8aon@juno.com>

  I was looking at the Pixie 2 schematic and found that I have the parts to build one, what kind of output should I expect from it ? Anybody got any good tips or mods for the Pixie 2 ?

      72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, HW-8, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters SW500 RX
                                                <>   RockMite 40   <>
                                QRP-L #2112, FPqrp #33, AR QRP #269
                    QRP'ers DEPEND ON SKILL - NOT RAW POWER !

Date: Wed, 7 May 2003 20:11:16 -0400
From: "Alan Fryer" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150159] FS: DSW-30
Message-ID: <Law9-OE3495OIKaOSbs000015ec@hotmail.com>

MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale: Small Wonder Labs DSW-30 in mint condition, works great, about
2.5W out. In the blue anodized case with original manual.

$130 shipped in US

Alan, N3BJ
Bent Mountain, VA

Date: Wed, 07 May 2003 20:17:32 -0400
From: Pete Burbank <plburbank@earthlink.net>
To: Brad.Thompson@valley.net,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [150160] Re: JFET Sleuthing
Message-ID: <5.2.0.9.0.20030507200841.00a55ab0@Earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 05:24 PM 5/7/2003, Brad Thompson wrote:

>>Brad and gang
>>I have a bunch of FETs labelled 402302 in metal cans and they also have
>>that elongated hexagon marking
>>on the top of the can. I just checked a 1983 D.A.T.A. book which has a
>>logo section in the back of the book.
>>There are 105 logos displayed but not that one. Another great mystery.
>>BTW these are Mil surplus. I wonder if anyone knows who made them.
>>73 Pete NV4V
>
>Hello--
>
>The hexagonal mark was used by Union Carbide, which manufactured FETs of
>all persuasions
>in the late 1960s through the mid-1970s(?). They were enthusiastic users
>of cryptic marking
>schemes and house numbers, alas.
>
>73--
>Brad AA1IP (the other Brad)

Brad and gang

Thanks for the answer, I sure appreciate it.Yes the solid state device marking system sure became
a disaster and at that time I believe the JEDEC system was in effect but was ignored by many.
Alas is a good comment.
Tnx es 73
Pete NV4V

Date: Wed, 7 May 2003 20:33:51 -0400
From: "Brent Sutphin WB4X" <bsutphin@triad.rr.com>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [150161] Rig for sale
Message-ID: <008f01c314f9$7ffb6560$546d1f18@triad.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a new 40 meter OHR-100 for sale. The rig was just completed and tested and works great. Time for another kit, I enjoy building.
I would like to get the kit price of $129.95 for it. If interested please contact me off list.

Thanks,
Brent WB4X

Date: Wed, 7 May 2003 21:03:08 -0400
From: Michael Babineau <michael.babineau@sympatico.ca>
To: qrp-l@Lehigh.EDU
Subject: [150162] Re: Technical Question: Op AMP / receiver audio amplifier design
Message-ID: <D4E687F8-80F0-11D7-93E1-00039309268A@sympatico.ca>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v552)
Content-Transfer-Encoding: 7bit

Thanks to all that responded to my query. It now makes sense to me.

A possible explanation of why this stage was eliminated in
the Explorer II is that the original Explorer AGC circuit was scrapped and redesigned for
the Explorer II. Given that the stage in question exhibits very little

gain (a bit more that
unity) perhaps its only purpose was to mitigate shortcomings in the
original Explorer AGC circuit
(ie prevent the users eardrums from exploding due to a static crash, or
a strong signal
that made it through to the audio stage before the AGC could kick in).

Purely speculation on my part but a plausible explanation.
I haven't had a chance to look at the AGC circuit for the Explorer and
Explorer II in detail to
see if this theory makes sense.

Again thanks again to all, this has been a learning experience.

Cheers

Michael VE3WMB

On Wednesday, May 7, 2003, at 04:06 PM, Michael Babineau wrote:

> Folks :
>
> I have been analyzing the receiver schematic for a popular QRP rig
> (the original OHR Explorer if anyone is interested) and it appears that
> there are two stages of audio amplification, with a preamp (non
> inverting, gain abt 1.5)
> based on an NE5534N OPAmp followed by a JFET receiver mute circuit
> then
> an audio amplifier using an LM380N-8.
>
> The question that I have is with regards to the NE5534N based preamp.
> Across pin 2 (inverting input) and pin 6 (output) there is an Rf with a
> value of 560 ohms but what has me a bit confused is two IN4148 Silicon
> diodes wired anode to cathode in parallel to Rf. Can anyone explain to
> me what purpose these diodes fulfill within this amp?
>
> Interestingly enough this whole preamp stage is omitted in the Explorer
> II design. It appears that the output of the Product Detector is fed
> directly into
> the receiver mute circuit in the Explorer II, which really makes me
> wonder
> what if anything useful this preamp stage is really doing? I would
> have thought
> that the LM380N has sufficient gain without needing a preamp stage
> preceeding it?
> With the exception of the added variable bandwidth IF filter, an
> improved AGC
> circuit and the omission of this audio preamp the remainder of the

> Explorer
> II receiver is virtually identical to the original Explorer, including
> the use of the
> LM380N as an audio amp.
>
> Out of curiosity I may completely bypass this preamp stage just to
> see how receiver performance is impacted. I guess I could always use
> this stage, including the NE5534N as an audio bandpass filter with the
> addition of a few components. This is what I though this stage was
> doing when
> I first glanced at the schematic but the absence of capacitors in
> critical
> places made me conclude that this stage was intended for amplification
> not
> filtering.
>
> Michael VE3WMB (just trying to figure out how things work)
>

Date: Wed, 7 May 2003 21:45:19 -0400
From: "sslyon" <sslyon@megalink.net>
To: <SUpton@ALLEGROMICRO.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [150163] Re: Curiosity on an 80m antenna
Message-ID: <001401c31503$7be9a220$0ac8e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes, that will work... in fact the J-pole is just another configuration of the standard Zepp. The end fed 88' wire is a great antenna for multi-band coverage since it is not resonant and never gets to the high impedance that a resonant wire does. (several K-ohms) You may still have to adjust length of feeder a bit to avoid those problems tho.
73
aa1my

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

----- Original Message -----

From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, May 07, 2003 3:44 PM
Subject: Curiosity on an 80m antenna

> It seems to me that it would be easy enough to make an 80m end fed dipole; a
> while back I took the dimensions for a 2m J pole, and multiplied all the
> numbers 146 (to make dimensions for a 1MHz J-pole). Now, it seems to me
> (excluding the inductive match at the coax feedpoint) that on 40m this
> antenna would be a 1/2 wave matching section (no change) and then a full
> wave antenna.
>
> What I'm wondering is, if instead of using the inductive match on at the
> coax feedpoint I simple feed the works into my T tuner, if it would work ok
> on 40m? On 40m it shouldn't require much matching at all, well, other than
> to the input impedance (should be low reactance anyhow).
>
> Thought I'd ask before I try to figure out how to fit 66' of twin lead under
> my porch (wrap it around the roof support?).
>
> Thanks.
>
> KB1CKT
>

Date: Wed, 7 May 2003 20:53:31 -0500
From: "George, W5YR" <w5yr@att.net>
To: <SUpton@ALLEGROMICRO.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [150164] Re: Curiosity on an 80m antenna
Message-ID: <02dc01c31504$a1e02660$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Shawn, the basic J-Pole antenna consists of a 1/4-wavelength line section shorted on the "bottom" with a 1/2-wavelength radiator mounted on one leg of the 1/4 wave section. I believe you described your concept as having a 1/2-wave matching section and a full wave antenna or radiator.

Perhaps you are thinking of another antenna, so please excuse these remarks if they do not apply.

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, May 07, 2003 2:44 PM
Subject: Curiosity on an 80m antenna

> It seems to me that it would be easy enough to make an 80m end fed dipole;
a
> while back I took the dimensions for a 2m J pole, and multiplied all the
> numbers 146 (to make dimensions for a 1MHz J-pole). Now, it seems to me
> (excluding the inductive match at the coax feedpoint) that on 40m this
> antenna would be a 1/2 wave matching section (no change) and then a full
> wave antenna.
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> What I'm wondering is, if instead of using the inductive match on at the
> coax feedpoint I simple feed the works into my T tuner, if it would work
ok
> on 40m? On 40m it shouldn't require much matching at all, well, other
than
> to the input impedance (should be low reactance anyhow).
>
> Thought I'd ask before I try to figure out how to fit 66' of twin lead
under
> my porch (wrap it around the roof support?).
>
> Thanks.
>
> KB1CKT
>

Date: Wed, 07 May 2003 22:03:35 -0400
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jonal.net, qrp-l@lehigh.edu
Subject: [150165] NEQRP CW Net, Thursday, 8 May 03, 08:30 PM EDT, 3.565 MHz

Message-ID: <3EB9BAF7.5080507@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

The New England QRP Club's 80M CW net, WQ1RP, will meet again on Thursday, 8 May 2003, at 8:30 PM EDT (00:30Z, 9 May 03) on or near 3.565 MHz. All hams are welcome. Net control operator will be Chuck, K1CL, operating from Chelmsford, MA.

Conditions for last week's net were very rough, with average noise levels around S8-S9 here in Chelmsford, MA, and with static peaks well above that. Thanks to Seab, AA1MY, for QSP'ing on several of the stations. And sorry if we missed anyone. Despite the miserable conditions, we had a total of eight participants:

AA1MY	Seab	Bethel, ME	599
WA1CFX	Howard,	Jamaica Plain MA.	499
W2SH	Charles	Millington, NJ	499
WA8BXN	Mike,	nr Cleveland OH	279
VE3WFS	Win	Belmont Lake, ON	269
K1YPP	Dennis	Hampstead, NH	599
VE3REP	Garry	Ajax, ON	269
K1CL	Chuck	Chelmsford, MA	net op

Thanks to all stations for stopping by, and sorry again if we missed you.

Please stop by this week and say hi to everyone on the net. And expect rough conditions again as rain moves back into the Northeast.

72 DE K1CL,
Chuck

Date: Thu, 8 May 2003 00:19:00 -0400
From: Caitlyn Martin <ku4qd@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [150166] New URL for unofficial Mizuho website
Message-ID: <20030508001900.3bbda54d.ku4qd@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Hi, everyone,

The "unofficial" Mizuho website has moved. It can now be found at:

http://www.mizuhoradio.com

If you had a link to the old site, please do update it. The manuals have not all been uploaded yet, but expect everything to be back to normal in the coming days, along with many more manuals, schematics, photos, and specifications.

The Mizuho reflector (mailing list) has also moved and is now on Yahoo! Groups. The old one at qth.net should be considered dead. If you have Mizuho equipment, or if you are just curious about it, please join us at:

http://groups.yahoo.com/group/mizuhoradio

For those of you who don't know Mizuho, they are a family run business started by a former Trio (Kenwood engineer over 30 years ago. In all that time they have made strictly QRP rigs and shack accessories. They are best known for their HF and VHF SSB/CW monoband handhelds, which were made from 1981 until 2002.

Thanks and 72/73,
Caity
KU4QD

Date: Thu, 8 May 2003 00:31:55 -0400
From: Caitlyn Martin <ku4qd@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [150167] Unusual QRP rigs for sale
Message-ID: <20030508003155.496b19fa.ku4qd@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Hi, everyone,

I have a chance to pick up some more rare, wonderful Mizuho QRP gear, which I collect.

The problem is I am unemployed, so if something comes in something else must go out. All items will be at the Durham hamfest this Saturday unless they are sold before then. My prices are firm. Prices assume I am shipping to someone in the U.S. Canadians expect to add $5-$10 depending on what you are interested in. I won't ship overseas. Here

is what I have:

I have an NCG 7/21/50. This one covers the 6, 15, and 40 meter bands, SSB/CW, with
10W out, with a built in power supply. The rig is about the size of a Kenwood TS-130V. This radio was also made by Matsushita (Panasonic) in Japan. Only about 150 with the NCG nameplate exist. This one also has a nice CW filter. The NCG 7/21/50 is in nice shape, with a copy of the manual, the original mic., both AC and DC power cords, and the original box and packing. A picture is at
http://caitlyn.port5.com/ku4qd/images/ncg72150.jpg $245
shipped to your door.

I also have a matched pair of unusual NCG/National QRP monobanders. The NCG 15M was also made by National (Panasonic) in Japan back in the mid '80s. 10W on high power, 2W low power, SSB/CW, 15 meter monoband transceiver. It has a very hot receiver and gets good reports on the air. Great for SSB QRP but clunky for CW (manual T/R switching) with no CW filter. With DC power cord and original mic. Sorry, no manual with this.

I have the matching National RJX-610 6m "portable" rig which was never imported into the U.S. It was made by Matsushita (Panasonic) in Japan and was
quite popular there. It covers 50.000-50.500 MHz SSB/CW, 5W on high power, 1W on low power. It has an internal D cell battery case and a quarter wave 6m telescopic whip which swivels up from the side of the rig. It can also run off an external 12V DC source. It's in nice shape, with the original mic. Sorry, no manual.

Pictures of both rigs are at
http://caitlyn.port5.com/ku4qd/images/615and15m.jpg I'll take $90. shipped, for the 15m rig and $160, shipped, for the 6m rig. I prefer to sell them together and will do that for $225, shipped to your door.

72,
Caity
KU4QD

Date: Thu, 08 May 2003 04:30:13 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Cc: steveratz@eoni.com
Subject: [150168] Re: JFET Sleuthing
Message-ID: <Law9-F58OzERvmTpInI00005dad@hotmail.com>

Mime-Version: 1.0
Content-Type: text/plain; format=flowed

OK, more data has arrived ....

I tested five (5) each of types J309 and MPF102 FETs which are, according to AA7U,
asymmetrical channel JFETs. The tests performed were IDSS measured at 15V D to S and
0V on gate and VGS (off) with 15V D to S. Results were as follows:

J309

	IDSS		VGS (off)	
Sample	Normal	Reversed	Normal	Reversed
1	24mA	24mA	-1.75V	-1.73V
2	13	13	-1.14	-1.14
3	15	15	-1.24	-1.26
4	23	23	-1.73	-1.74
5	22	22	-1.66	-1.66

MPF102

	IDSS		VGS (off)	
Sample	Normal	Reversed	Normal	Reversed
1	8.7mA	8.7mA	-2.63V	-2.70V
2	10.4	10.4	-3.09	-3.08
3	13.2	13.2	-3.67	-3.68
4	11.2	11.2	-3.31	-3.28
5	7.9	7.9	-2.57	-2.53

Well, so much for using pinchoff and IDSS for determining the source and drain! Apparently even in asymmetric FETs the reversal of these leads makes no difference to these parameters. Now I wonder how the forward transadmittance looks one way and the other. Back to the lab .....

Brad KG6IOE

Date: Thu, 8 May 2003 01:49:16 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Cc: G-QRP Club E-mail Reflector <gqrp@onelist.com>,
        "Bill (419.423.4604 Kanga U.S.) Kelsey" <kanga@bright.net>,
Subject: [150169] Re: DX QSL Collection Disposal
Message-ID: <20030508013949.H16543-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bill,

I am not sure from your message on how many shoeboxes of QSL's you have for Disposal/Donation, or How much it would cost to ship them here to me.

If no collectors on the list want them, I would accept them in behalf of some School Radio Clubs. I have added the Sponsors to two School Radio Clubs that I have had some contact with in the past.

I would think that they might be useful in their club programs. How better to learn Geography and Languages than with actual "Samples" Stamp Collectors are also generally interested in them. There may even be a market on e-bay for used QSL's.

A bit of rubber cement and some Brown Butcher Paper, and they make a wonderful bit of ART Work for the Wall. I recall wallpapering the radio room in my High School Radio Club. Don't ask how many years ago that was. :^}

Just a thought...

Sure wish I could make it to Dayton. P.S. I am still saving for my (4) DK9SQ's (The K3TKS Portable Antenna Farm) (Fishing Pole NIVIS Loop).

Maybe next year:^}

QRPp Dx Tu (C) 2002

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -

QRP A.R.C.I. Board of Directors & QQ Back Issues Sales and Services
    Yes, We take "PayPal" to "George Gingell" <K3TKS@abs.net>

Gingell & Company, Ltd.
Locksmith & Handyman Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117

Date: Thu, 8 May 2003 09:08:19 +0200
From: "Sverre Holm - LA3ZA" <la3za@qsl.net>
To: <qrp-l@Lehigh.EDU>
Cc: <kc8aon@juno.com>
Subject: [150170] Re: Pixie 2 QRP
Message-ID: <000601c31530$9ae94c20$8e00a8c0@Master>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="US-ASCII"
Content-Transfer-Encoding: 7bit

If you want to build a barebones Pixie 2, I suggest you try the muting
scheme of http://www.qsl.net/la3za/Pixie_mute.htm . Improved muting by
using pin 7 instead of the Vcc pin of the LM386. No extra components
needed!

73,
Sverre

Sverre Holm, LA3ZA
www.qsl.net/la3za

Date: Thu, 8 May 2003 06:12:54 -0400
From: "John Huffman" <hjohnc@core.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150171] May Spartan Sprint Results
Message-ID: <006801c3154a$6c583870$0ead59cf@jhuffmanlt>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Results of the May 2003 Spartan Sprint
The May conditions moved towards the upper bands and static moved into the lower bands. Despite thunder and lightning, we received 67 logs and the top score was nearly 100 QSOs.

Skinny Winners -

Gary N0SXX was this month's Skinny winner with 58 contacts on 20 meters. Gary used an SST20 and AA batteries to weigh in at 1.25 pounds.

Second Skinny was Bob N4BP who had the most QSOs at 96 on 20 and 40 meters. Bob also won the Tubby division with a setup under two and a half pounds.

Third Skinny was Brian K7RE who's 1 pound 10 ounce setup netted 57 contacts on 20 meters. He plans a two band effort next month.

Tubby Division Winners -

Bob N4BP was top score for the second month in a row. Bob uses a stock K1 on 20 and 40 meters.

Second Tubby was Jim WA9TZE with 95 contacts, just one behind Bob. Jim used 80, 40, and 20 meters.

Third was Jerry K6III who was booming into the Midwest. Most of his 75 QSOs were on 20 meters.

Special Recognition, Outside Operation -

There were four outsiders for May.

K7TQ - 64 points on 20 meters

"I operated outdoors again this month. The site was the one I'd used in the April Spartan Sprint and the QRPTTF. This former railroad logging camp is located about 20 miles east of Moscow, ID. Temps were in the lower 40s going down into the mid 30s by the end of the sprint. I tested my Field Day set up of K2 and 12 AHr gell cell, Palm running GOLog from a keyboard, and G4ZPY paddles. This time the new twist was using a W7EL Field Day Special 20 m wire beam at 50 feet pointed to the east. It only took 20 minutes or so longer to set up than the usual dipole and seemed to be worth the extra effort. The effort netted 28 states and 1 province. See you all in June when I hope to be in the field again."

AC6NT - 24 points on 20 meters

"Considering I only had enough time to set up and get started, without testing anything, I feel lucky to have made 24 QSOs. I used an SST running 1 watt, and a brand new Mini Paddles/Code Cube --right out of the box--didn't even have time to read the instructions. I found a cable to hook it up 2 minutes before start time! 8 AAA cells, Walkman headphones, I set-up in my back yard, but hooked up to my A3S tribander. K0EX, N0SXX,& N4BP were LOUD!"

N7CEE - 19 points on 40 and 20 meters

"I operated from Iron Creek Mesa, on the 4th evening of a five day backpack trip in New Mexico's Gila Wilderness (DM53rj), using an Elecraft K1 running 2 watts to a 66 foot end fed wire. Power came from a ten AA cell NiMH pack, which had been amply charged by 4 days of southwestern sun on my 1.4 watt solar panel, which rides on my pack lid. From my location, 20 was the workhorse band- when it faded, it was tough going on 40."

W7PUA - 16 points on 40 and 20 meters

"Lots of fun! I operated portable from our 22 ft sailboat out in Fern Ridge Reservoir, Oregon. I spent quite a bit of contest time fiddling with antennas. I was using the 25 foot mast to support whips. Quarter-wave whips, held away from the mast with a wooden pole, seemed to work well. The ground was the lead keel, along with other boat wiring. I ungrounded the mast, so it was "floating" (what else, from a boat?). Next time, I want to try the

mast as a radiator."

Congratulations guys and thanks for braving the elements. You put the "adventure" into Adventure Radio.

Band by Band -

Things were better on 20 meters in May and the total QSOs reported was up by a few.

Here's the breakdown of QSOs by band:

80M -   26 QSOs

40M - 553 QSOs

20M - 1173 QSOs

15M -   20 QSOs

10M -   0 QSOs

Total - 1772 QSOs reported!

Late Logs:

Late logs for April were Mike W7SST who made 3 contacts using an SST-20 and a 40m Rockmite and Ron K7RJ who had 6 QSOs with his Rockmite.

Other:

Many commented on the outstanding 500mW signal of WA8ZBT in Texas.

Dean KH6B was portable W8. He was Michigan, and not Hawaii, this month.

Lyndel N7LT (Belgrade, MT) has a beacon, N7LT/B on 28.249 MHz. Listen for it to find out when 10 meters is open!

Each contact received one point. If you didn't tell us the weight of your station, or if your station weighed more than the family after Thanksgiving dinner, we assigned a weight of 30 pounds.

The soapbox is published separately in the May issue of The ARS Sojourner which comes out mid-month. Don't miss it! http://www.natworld.com/ars

We hope everyone had a good time. See you in June!

THE SKINNY DIVISION (results sorted in the order of points per pound)

Call	80M	40M	20M	15M	10M	Points	Weight	Points Per Pound
N0SXX	0	0	58	0	0	58	1.25	46.4
N4BP	0	23	73	0	0	96	2.48	38.71
K7RE	0	0	57	0	0	57	1.62	35.19
K3ESE	0	24	14	4	0	42	2	21
WY1W	0	21	19	0	0	40	2.3	17.39
AC6NT	0	0	24	0	0	24	1.4	17.14
K5JHP	0	3	23	4	0	30	2.3	13.04
WJ9B	0	20	20	0	0	40	3.1	12.9
N9JXY	0	3	0	0	0	3	0.27	11.11
W1PID	0	12	9	0	0	21	2	10.5
N7CEE	0	4	15	0	0	19	2.2	8.64
W7PUA	0	7	9	0	0	16	1.9	8.42
VE3ELA	0	27	0	0	0	27	4	6.75

W8HF	0	2	12	0	0	14	2.19	6.39
VE3XT	0	11	10	0	0	21	3.3	6.36
K0EX	0	11	44	0	0	55	10	5.5
KD7GIM	0	0	13	0	0	13	2.5	5.2
K6III	0	11	64	0	0	75	15	5
W0UFO	0	11	38	0	0	49	9.8	5
AA5CK	0	5	17	3	0	25	5	5
KH6B/W8	0	5	5	0	0	10	2.2	4.55
N4HAY	0	21	33	0	0	54	12	4.5
W8SFF	0	22	0	0	0	22	5	4.4
AE6N	0	0	10	0	0	10	2.4	4.17
WD9F	0	0	2	0	0	2	0.5	4
K6PZB	0	4	15	0	0	19	5	3.8
K9YT	0	0	11	0	0	11	2.9	3.79
W2BVH	2	13	10	0	0	25	7	3.57
WA9TZE	15	55	25	0	0	95	30	3.17
KI0MZ	0	5	8	1	0	14	5	2.8
N4DMI	0	7	15	1	0	23	8.4	2.74
NA8M	1	22	25	0	0	48	18	2.67
W9FNB	0	2	14	0	0	16	6	2.67
KA3WMJ	1	11	11	0	0	23	9	2.56
K7TQ	0	0	64	0	0	64	25	2.56
KC8WBK	0	4	0	0	0	4	1.62	2.47
K3NG	0	12	22	0	0	34	15	2.27

K3TW	4	33	30	0	0	67	30	2.23
KD7AEE	0	33	33	0	0	66	30	2.2
N7LT	0	10	41	6	0	57	30	1.9
KD5LX	0	10	12	0	0	22	12.5	1.76
N0YGY	0	1	13	1	0	15	9	1.67
KG8GW	0	27	9	0	0	36	30	1.2
KE4R	0	0	20	0	0	20	17	1.18
WA8WV	0	16	15	0	0	31	30	1.03
W7SNV	0	0	5	0	0	5	5	1
W0NTA	0	4	26	0	0	30	30	1
WA1VGB	0	3	0	0	0	3	3	1
K2EKM	0	1	0	0	0	1	1.12	0.89
NG7Z	0	4	22	0	0	26	30	0.87
W6ZIP	0	5	20	0	0	25	30	0.83
NK0E	0	4	16	0	0	20	30	0.67
VE6QSL	0	3	16	0	0	19	30	0.63
K5HWT	0	0	9	0	0	9	15	0.6
W7CQD	0	0	9	0	0	9	15	0.6
W9UQB	0	4	13	0	0	17	30	0.57
N0XAS	0	4	10	0	0	14	30	0.47
KB7MBI	0	0	14	0	0	14	30	0.47
K3AS	0	3	9	0	0	12	30	0.4
KL7RHJ	0	0	6	0	0	6	16	0.38
AB4VF	0	0	8	0	0	8	30	0.27

K1CGZ	1	1	6	0	0	8	30	0.27
AB1AV	2	6	0	0	0	8	30	0.27
KI7N	0	0	7	0	0	7	30	0.23
K8KFJ	0	0	7	0	0	7	30	0.23
N9KO	0	0	6	0	0	6	30	0.2
KG6WP	0	3	2	0	0	5	30	0.17

THE TUBBY DIVISION (results sorted in the order of points)

Call	80M	40M	20M	15M	10M	Points
N4BP	0	23	73	0	0	96
WA9TZE	15	55	25	0	0	95
K6III	0	11	64	0	0	75
K3TW	4	33	30	0	0	67
KD7AEE	0	33	33	0	0	66
K7TQ	0	0	64	0	0	64
N0SXX	0	0	58	0	0	58
N7LT	0	10	41	6	0	57
K7RE	0	0	57	0	0	57
K0EX	0	11	44	0	0	55
N4HAY	0	21	33	0	0	54
W0UFO	0	11	38	0	0	49
NA8M	1	22	25	0	0	48
K3ESE	0	24	14	4	0	42
WJ9B	0	20	20	0	0	40
WY1W	0	21	19	0	0	40
KG8GW	0	27	9	0	0	36
K3NG	0	12	22	0	0	34
WA8WV	0	16	15	0	0	31
K5JHP	0	3	23	4	0	30
W0NTA	0	4	26	0	0	30
VE3ELA	0	27	0	0	0	27
NG7Z	0	4	22	0	0	26
W2BVH	2	13	10	0	0	25
W6ZIP	0	5	20	0	0	25
AA5CK	0	5	17	3	0	25
AC6NT	0	0	24	0	0	24
N4DMI	0	7	15	1	0	23
KA3WMJ	1	11	11	0	0	23
KD5LX	0	10	12	0	0	22
W8SFF	0	22	0	0	0	22
W1PID	0	12	9	0	0	21
VE3XT	0	11	10	0	0	21

NK0E	0	4	16	0	0	20
KE4R	0	0	20	0	0	20
K6PZB	0	4	15	0	0	19
N7CEE	0	4	15	0	0	19
VE6QSL	0	3	16	0	0	19
W9UQB	0	4	13	0	0	17
W9FNB	0	2	14	0	0	16
W7PUA	0	7	9	0	0	16
N0YGY	0	1	13	1	0	15
N0XAS	0	4	10	0	0	14
W8HF	0	2	12	0	0	14
KI0MZ	0	5	8	1	0	14
KB7MBI	0	0	14	0	0	14
KD7GIM	0	0	13	0	0	13
K3AS	0	3	9	0	0	12
K9YT	0	0	11	0	0	11
AE6N	0	0	10	0	0	10
KH6B/W8	0	5	5	0	0	10
K5HWT	0	0	9	0	0	9
W7CQD	0	0	9	0	0	9
AB4VF	0	0	8	0	0	8
K1CGZ	1	1	6	0	0	8
AB1AV	2	6	0	0	0	8
KI7N	0	0	7	0	0	7
K8KFJ	0	0	7	0	0	7
N9KO	0	0	6	0	0	6
KL7RHJ	0	0	6	0	0	6
W7SNV	0	0	5	0	0	5
KG6WP	0	3	2	0	0	5
KC8WBK	0	4	0	0	0	4
N9JXY	0	3	0	0	0	3
WA1VGB	0	3	0	0	0	3
WD9F	0	0	2	0	0	2
K2EKM	0	1	0	0	0	1

Date: Thu, 8 May 2003 06:25:25 -0500
From: mark.milburn@juno.com
To: qrp-l@lehigh.edu
Subject: [150172] Iowa QRP Club CW Net
Message-ID: <20030508.062529.-1479013.1.MARK.MILBURN@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to all of you who stopped by the net last night. Band conditions still aren't where we would like, but not bad and we're getting there. QRN was a little problem and some said QSB, too, but not too much of that here in the heartland.

We enjoyed having:

KQ0I, Mark in Iowa
WA8BXN, Mike in Ohio
K7RE, Brian in South Dakota
AA1MY, Seab in Maine
K5QLF, Fred in Texas

and I also copied AL7GQ I think, but before I could get back to him he was gone. Geno, we need you buddy, come again!

Brian reminds us that the QRP folk in this area are looking forward to the hamfest in Sioux City next month, so save your pennies and get ready to meet and greet some kindred QRP souls in June.

72 Mark KQ0I
Des Moines, Iowa

Date: Thu, 8 May 2003 08:06:28 -0400
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'George, W5YR'" <w5yr@att.net>,
        Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150173] RE: Curiosity on an 80m antenna
Message-ID: <E1F0152638DBD311AEF700D0B74455E2715AD3@exchange_nh.allegromicro.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

I was thinking of the basic J-pole for 80m, minus the inductive stub on the bottom (for matching to coax), and using it on 40m, thus making a 2 band end fed antenna. On 80m, there would be the 1/4 wave matching section and 1/2 wave radiator, which would be 1/2 wave (non?) matching section and full wave radiator on 40m. I was curious if the impedances wouldn't be too bad. It would be easier for me to put up an end fed antenna, but I am a bit more partial to resonant antennas (a bit easier for me to tune, and seem to have less issues in general--but that's my humble opinion).

KB1CKT

-----Original Message-----
From: George, W5YR [mailto:w5yr@att.net]

Sent: Wednesday, May 07, 2003 9:54 PM
To: SUpton@ALLEGROMICRO.com; Low Power Amateur Radio Discussion
Subject: Re: Curiosity on an 80m antenna

Shawn, the basic J-Pole antenna consists of a 1/4-wavelength line section shorted on the "bottom" with a 1/2-wavelength radiator mounted on one leg of the 1/4 wave section. I believe you described your concept as having a 1/2-wave matching section and a full wave antenna or radiator.

Perhaps you are thinking of another antenna, so please excuse these remarks if they do not apply.

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, May 07, 2003 2:44 PM
Subject: Curiosity on an 80m antenna

> It seems to me that it would be easy enough to make an 80m end fed dipole; a
> while back I took the dimensions for a 2m J pole, and multiplied all the
> numbers 146 (to make dimensions for a 1MHz J-pole). Now, it seems to me
> (excluding the inductive match at the coax feedpoint) that on 40m this
> antenna would be a 1/2 wave matching section (no change) and then a full
> wave antenna.
>
> What I'm wondering is, if instead of using the inductive match on at the
> coax feedpoint I simple feed the works into my T tuner, if it would work ok
> on 40m? On 40m it shouldn't require much matching at all, well, other than
> to the input impedance (should be low reactance anyhow).
>
> Thought I'd ask before I try to figure out how to fit 66' of twin lead under
> my porch (wrap it around the roof support?).

>
> Thanks.
>
> KB1CKT
>

Date: Thu, 8 May 2003 08:26:01 -0500
From: <stanw@toxsor.com>
To: <qrp-l@lehigh.edu>
Subject: [150174] Re: Pixie 2 QRP
Message-ID: <000301c31565$62f046e0$0364010a@toxsor.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The one thing that would do a lot to improve performance of the PIXIE is a Hi-Q antenna tuner. The front end is really broad. I would use a ZM-2 type tuner with it.

The transmit side works very well and you should have no problem making contacts, they will be able to hear you, the trick is gaining the skill to seperate out which station is one your frequency. An easy way to improve on that is with a tuner in the antenna line. The next step would be to add an audio filter.

de Stan ak0b

Date: Thu, 08 May 2003 09:55:39 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150175] Re: Unusual QRP rigs for sale
Message-ID: <3EBA61DB.1040002@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Gang,

I suggest anyone considering purchasing from Caitlyn browse through the archives before buying:

ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405

ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405

I am not here to pass judgement, I merely remember this fiasco and want
fellow QRP-L'ers to make their own informed decision. Enough said.

73
Jim N3VXI

Date: Thu, 8 May 2003 13:53:44 -0000
From: "Larry E. Wise" <ka5t@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150176] RS deal - 2mtr mag mt ant
Message-ID: <000a01c31569$3dacf3c0$6401a8c0@kat>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang:

RadioShack has their 2 meter mag-mount antenna priced at $19.97 - discontinued
item...
Number is 19-210. Found them in Austin , Texas.... YMMV

Larry KA5T
Georgetown, Texas

Date: Thu, 8 May 2003 09:51:02 -0400
From: brewerj@squared.com
To: qrp-l@lehigh.edu
Subject: [150177] Usefulness
Message-ID: <OFA4DE5F23.C6D22A5E-ON85256D20.004BDC1E@CIS.SQUARED.COM>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Carl says:

"I wrote a note to the QRP/L list about trying to find out how to
make my Yaesu FT-5100 work as a cross band repeater........but it's an example
of what many do every year on this List. "

Indeed...and imagine even how much MORE useful it would be , if the posts were on
topic!

John.

Date: Thu, 08 May 2003 10:03:25 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: jce0@Lehigh.EDU
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150178] Re: Unusual QRP rigs for sale
Message-ID: <3EBA63AD.7090602@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Sorry, that second link should be:

ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020406

> Gang,
>
> I suggest anyone considering purchasing from Caitlyn browse through
> the archives before buying:
>
> ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405
> ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405
>
> I am not here to pass judgement, I merely remember this fiasco and want
> fellow QRP-L'ers to make their own informed decision. Enough said.
>
> 73
> Jim N3VXI

Date: Thu, 08 May 2003 08:59:56 -0500
From: Monty N5ESE <n5ese@io.com>
To: AQRP@onelist.com, qrp-l@Lehigh.EDU, kd1jv@moose.ncia.net
Subject: [150179] AT Sprint - Is SMT Fun, or What?
Message-ID: <5.1.0.14.0.20030508083556.00a7aec0@mail.io.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hey Gang!

Last night I finished the main board for the AT Sprint - a slow and

deliberate 7.5 hours invested since I opened Steve's mailer Tuesday evening. Not a single part missing, and all instructions right on the money. As usual with Steve, his engineering is first class - not perfect (no one's is) - but he definitely gets an A+ on this one.

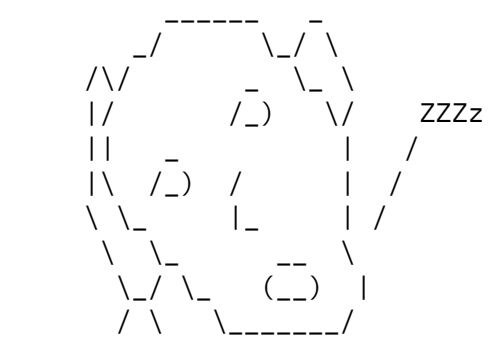
At this rate, I may have RF in the ether by tomorrow. Can't wait!

I'll take some hi-res pix during my lunch hour, and post here again to point to them.

By the way, Steve's design may be the first successful, practical Class E amplifier for 20 meters that I know of... I hope he'll share the design theory and details with the general QRP homebrewing community.

72,
monty N5ESE

Monty Northrup, N5ESE (ex-N5FC) Austin, TX
e-mail: n5ese@io.com or maddog@io.com
web (ham): http://www.dit-dididit-dit.com
web (home): http://www.io.com/~maddog/



Date: Thu, 08 May 2003 09:07:20 -0500
From: Dave Hottell <hottell@gulftel.com>
To: SUpton@ALLEGROMICRO.com,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150180] RE: Curiosity on an 80m antenna
Message-ID: <3.0.6.32.20030508090720.008a2b60@pop.gulftel.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Shawn,

On 40m, an end-fed full-wave radiator will have a high impedance. Coupled through a 1/2 wl feedline will give high impedance at the feedpoint.

On 80m, the end-fed 1/2 wl radiator will have a high impedance. Coupled through a 1/4 wl feedline will give low impedance at the feedpoint.

Hope this helps,

73 de Dave
ab9ca

At 08:06 AM 5/8/03 -0400, you wrote:
>I was thinking of the basic J-pole for 80m, minus the inductive stub on the
>bottom (for matching to coax), and using it on 40m, thus making a 2 band end
>fed antenna. On 80m, there would be the 1/4 wave matching section and 1/2
>wave radiator, which would be 1/2 wave (non?) matching section and full wave
>radiator on 40m. I was curious if the impedances wouldn't be too bad. It
>would be easier for me to put up an end fed antenna, but I am a bit more
>partial to resonant antennas (a bit easier for me to tune, and seem to have
>less issues in general--but that's my humble opinion).
>
>KB1CKT
>
>-----Original Message-----
>From: George, W5YR [mailto:w5yr@att.net]
>Sent: Wednesday, May 07, 2003 9:54 PM
>To: SUpton@ALLEGROMICRO.com; Low Power Amateur Radio Discussion
>Subject: Re: Curiosity on an 80m antenna
>
>
>Shawn, the basic J-Pole antenna consists of a 1/4-wavelength line section
>shorted on the "bottom" with a 1/2-wavelength radiator mounted on one leg of
>the 1/4 wave section. I believe you described your concept as having a
>1/2-wave matching section and a full wave antenna or radiator.
>
>Perhaps you are thinking of another antenna, so please excuse these remarks
>if they do not apply.
>
>73/72, George
>Amateur Radio W5YR - the Yellow Rose of Texas
>Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
>"In the 57th year and it just keeps getting better!"
><mailto:w5yr@att.net>
>
>

>
>
>
>----- Original Message -----
>From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Sent: Wednesday, May 07, 2003 2:44 PM
>Subject: Curiosity on an 80m antenna
>
>
>> It seems to me that it would be easy enough to make an 80m end fed dipole;
>a
>> while back I took the dimensions for a 2m J pole, and multiplied all the
>> numbers 146 (to make dimensions for a 1MHz J-pole). Now, it seems to me
>> (excluding the inductive match at the coax feedpoint) that on 40m this
>> antenna would be a 1/2 wave matching section (no change) and then a full
>> wave antenna.
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>> What I'm wondering is, if instead of using the inductive match on at the
>> coax feedpoint I simple feed the works into my T tuner, if it would work
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>> on 40m? On 40m it shouldn't require much matching at all, well, other
>than
>> to the input impedance (should be low reactance anyhow).
>>
>> Thought I'd ask before I try to figure out how to fit 66' of twin lead
>under
>> my porch (wrap it around the roof support?).
>>
>> Thanks.
>>
>> KB1CKT
>>
>

Date: Thu, 8 May 2003 10:05:48 -0400
From: "Ron McConnell" <rcmcc@earthlink.net>
To: "NJQRP" <njqrp@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>
Cc: "W2IOL" <w2iol@arrl.net>
Subject: [150181] 12Vdc Float Charger @ $7.49
Message-ID: <000001c3156b$0578e980$cdcfa441@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="us-ascii"
Content-Transfer-Encoding: 7bit

At the show & tell at one of the NJQRP
meetings in the winter I had a 12Vdc
float charger from Harbor Freight Tools
that sometimes goes on sale for
1/2 price @ $7.49, regularly $15.
It's on sale again.

  http://www.harborfreight.com

Chicago Electric Auto Battery Float Charger
 Item # 42292-1AAB

There is also

Cen-Tech 7 function digital DVM
Item 30756-4VGA, reg. $9.99, sale $2.99
in their email flyer.
Catalog has 30756-3AAH as the Item #

Items on sale are usually 1/2 price,
not the typical wimpy 10% off.
There are lots of interesting toys
...errrr... tools.

I have 4 or 5 of the chargers and
3 of the DVMs from previous sales.

A nephew just bought a house a few
blocks from a Harbor Freight store
on the northeast side of Harrisburg, PA.
I spotted it when I left his house
last winter but didn't have time
to stop. I need to visit the dear boy.

Cheers, 73,

Ron McC.
w2iol

DISCLAIMER: I have a direct connection
with Harbor Freight via my credit card.

Date: Thu, 8 May 2003 10:30:59 -0400

From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'Dave Hottell'" <hottell@gulftel.com>,
        "Upton, Shawn" <SUpton@ALLEGROMICRO.com>,
Subject: [150182] RE: Curiosity on an 80m antenna
Message-ID: <E1F0152638DBD311AEF700D0B74455E2715AD6@exchange_nh.allegromicro.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

I knew there was something I missing... Duh. For some reason, in my head 4
was an odd number (low impedance for odd numbers of 1/4 waves, high
impedance for even). That's why this idea won't work.

Ok, I'm all better now. Thanks.

KB1CKT

-----Original Message-----
From: Dave Hottell [mailto:hottell@gulftel.com]
Sent: Thursday, May 08, 2003 10:07 AM
To: SUpton@ALLEGROMICRO.com; Low Power Amateur Radio Discussion
Subject: RE: Curiosity on an 80m antenna

Shawn,

On 40m, an end-fed full-wave radiator will have a high impedance. Coupled
through a 1/2 wl feedline will give high impedance at the feedpoint.

On 80m, the end-fed 1/2 wl radiator will have a high impedance. Coupled
through a 1/4 wl feedline will give low impedance at the feedpoint.

Hope this helps,

73 de Dave
ab9ca

At 08:06 AM 5/8/03 -0400, you wrote:
>I was thinking of the basic J-pole for 80m, minus the inductive stub on the
>bottom (for matching to coax), and using it on 40m, thus making a 2 band
end
>fed antenna. On 80m, there would be the 1/4 wave matching section and 1/2
>wave radiator, which would be 1/2 wave (non?) matching section and full
wave
>radiator on 40m. I was curious if the impedances wouldn't be too bad. It
>would be easier for me to put up an end fed antenna, but I am a bit more

>partial to resonant antennas (a bit easier for me to tune, and seem to have
>less issues in general--but that's my humble opinion).
>
>KB1CKT
>
>-----Original Message-----
>From: George, W5YR [mailto:w5yr@att.net]
>Sent: Wednesday, May 07, 2003 9:54 PM
>To: SUpton@ALLEGROMICRO.com; Low Power Amateur Radio Discussion
>Subject: Re: Curiosity on an 80m antenna
>
>
>Shawn, the basic J-Pole antenna consists of a 1/4-wavelength line section
>shorted on the "bottom" with a 1/2-wavelength radiator mounted on one leg
of
>the 1/4 wave section. I believe you described your concept as having a
>1/2-wave matching section and a full wave antenna or radiator.
>
>Perhaps you are thinking of another antenna, so please excuse these remarks
>if they do not apply.
>
>73/72, George
>Amateur Radio W5YR - the Yellow Rose of Texas
>Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
>"In the 57th year and it just keeps getting better!"
><mailto:w5yr@att.net>
>
>
>
>
>
>
>----- Original Message -----
>From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Sent: Wednesday, May 07, 2003 2:44 PM
>Subject: Curiosity on an 80m antenna
>
>
>> It seems to me that it would be easy enough to make an 80m end fed
dipole;
>a
>> while back I took the dimensions for a 2m J pole, and multiplied all the
>> numbers 146 (to make dimensions for a 1MHz J-pole). Now, it seems to me
>> (excluding the inductive match at the coax feedpoint) that on 40m this
>> antenna would be a 1/2 wave matching section (no change) and then a full
>> wave antenna.
>>
>> What I'm wondering is, if instead of using the inductive match on at the

>> coax feedpoint I simple feed the works into my T tuner, if it would work
>ok
>> on 40m? On 40m it shouldn't require much matching at all, well, other
>than
>> to the input impedance (should be low reactance anyhow).
>>
>> Thought I'd ask before I try to figure out how to fit 66' of twin lead
>under
>> my porch (wrap it around the roof support?).
>>
>> Thanks.
>>
>> KB1CKT
>>
>

Date: Thu, 8 May 2003 09:45:19 -0500
From: "Boulineau, Lee" <lee.boulineau@attws.com>
To: <njqrp@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [150183] RE: [NJQRP] 12Vdc Float Charger @ $7.49
Message-ID: <90B09553A615CE4192A646D8CFA67DA8428EBC@TX-MSG05-
CCC.wireless.attws.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="US-ASCII"
Content-Transfer-Encoding: quoted-printable
content-class: urn:content-classes:message

Ron is Right!!!

I got the DVM, and it's a great deal!!! Why tote your Fluke or other
expensive meter to a Field Day - you can keep one in the car, the tool
box, the backpack rig.....

73 de N4MVL

Lee

-----Original Message-----
From: Ron McConnell [mailto:rcmcc@earthlink.net]
Sent: Thursday, May 08, 2003 9:06 AM
To: NJQRP; QRP-L
Cc: W2IOL
Subject: [NJQRP] 12Vdc Float Charger @ $7.49

At the show & tell at one of the NJQRP
meetings in the winter I had a 12Vdc=20
float charger from Harbor Freight Tools=20
that sometimes goes on sale for=20
1/2 price @ $7.49, regularly $15. =20
It's on sale again.

  http://www.harborfreight.com

Chicago Electric Auto Battery Float Charger
 Item # 42292-1AAB =20

There is also=20

Cen-Tech 7 function digital DVM
Item 30756-4VGA, reg. $9.99, sale $2.99
in their email flyer.
Catalog has 30756-3AAH as the Item #

Items on sale are usually 1/2 price,
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There are lots of interesting toys
...errrr... tools.

I have 4 or 5 of the chargers and=20
3 of the DVMs from previous sales.

A nephew just bought a house a few
blocks from a Harbor Freight store
on the northeast side of Harrisburg, PA.
I spotted it when I left his house
last winter but didn't have time
to stop. I need to visit the dear boy.

Cheers, 73,

Ron McC.
w2iol

DISCLAIMER: I have a direct connection
with Harbor Freight via my credit card.

and put the text "unsubscribe njqrp" in the message. To post a
message to the list, send email to njqrp@njqrp.org.

Date: Thu, 8 May 2003 10:17:15 -0400
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: <jce0@Lehigh.EDU>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150184] Re: Unusual QRP rigs for sale
Message-ID: <002601c3156c$86edf9a0$2e2c2041@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FWIW, I clicked on the links shown and I get an error msg. saying no such
file exists.??????
  carl / kz5ca
----- Original Message -----
From: "Jim Eshleman" <jce0@Lehigh.EDU>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, May 08, 2003 10:03 AM
Subject: Re: Unusual QRP rigs for sale

>   Sorry, that second link should be:
>
>   ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020406
>
> > Gang,
> >
> >   I suggest anyone considering purchasing from Caitlyn browse through
> > the archives before buying:
> >
> >   ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405
> >   ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405
> >
> > I am not here to pass judgement, I merely remember this fiasco and want
> > fellow QRP-L'ers to make their own informed decision. Enough said.
> >
> > 73
> > Jim N3VXI
>

Date: Thu, 8 May 2003 15:26:42 +0100
From: "Jack Bennett" <J.Bennett@lboro.ac.uk>
To: <jce0@lehigh.edu>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [150185] Re: Unusual QRP rigs for sale
Message-ID: <004201c3156d$d86f7eb0$98327d9e@pc2000eljb5>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,
Sorry Jim,
Neither of the url's work for me. It says they don't exist!.

Jack
G3PVG

----- Original Message -----
From: "Jim Eshleman" <jce0@Lehigh.EDU>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, May 08, 2003 3:03 PM
Subject: Re: Unusual QRP rigs for sale

>   Sorry, that second link should be:
>
>   ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020406
>
> > Gang,
> >
> >   I suggest anyone considering purchasing from Caitlyn browse through
> > the archives before buying:
> >
> >   ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405
> >   ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405
> >
> > I am not here to pass judgement, I merely remember this fiasco and want
> > fellow QRP-L'ers to make their own informed decision. Enough said.
> >
> > 73
> > Jim N3VXI
>
>
>

Date: Thu, 08 May 2003 11:02:13 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: carlseye@tampabay.rr.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150186] Re: Unusual QRP rigs for sale
Message-ID: <3EBA7175.3030703@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

carl et al,

   If you're using IE, try unchecking the "Enable folder view for FTP sites" box at Tools/Internet Options/Advanced/Browsing for IE6, or checking "Enable Web ftp" box, where ever it is, for IE5.5.

73
Jim N3VXI

> FWIW, I clicked on the links shown and I get an error msg. saying no such
> file exists.??????
>   carl / kz5ca

Date: Thu, 8 May 2003 11:00:49 -0400
From: "Ed Kessler" <aa3sj@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [150187] AT Sprint is "Cool!"
Message-ID: <3EBA38E1.5101.3070A93@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Good Morning,

My AT Sprint passed the smoke test yesterday. I have built the 40m and 20m modules so far.

Output on both bands is exactly 4W at 12V. Receive sensitivity and selectivity is very good and the AGC circuitry does indeed keep strong signals under control.

The SSOP DDS chip was a bit of a challenge but not too difficult.

Many thanks to Steve, KD1JV, for putting this kit together. The AT Sprint is going
to be a great backpacking setup.

73
Ed AA3SJ

Date: Thu, 08 May 2003 11:10:55 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150188] nuther RS deal
Message-ID: <3EBA737F.88CD921@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

A fellow ham in the area bought an HTX-10 yesterday for $49 at RS.

73,
--Alex KR1ST

Date: Thu, 8 May 2003 11:14:06 -0400 (EDT)
From: Chris Cartwright <ccart@phideaux.com>
To: QRPL List <qrp-l@lehigh.edu>
Subject: [150189] Re: Unusual QRP rigs for sale
Message-ID: <Pine.LNX.4.33.0305081112250.5980-100000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 8 May 2003, Jim Eshleman wrote:

> checking "Enable Web ftp" box, where ever it is, for IE5.5.

For IE5, go to Tools/Internet Options/Advanced and it's about eight "check
boxes" down.

-- Chris Cartwright,   Unix Administrator | ccart@phideaux.com   --
-- N3XRV   ARRL-VE   Norcal Zombie #163 | Oxford, PA 19363 FM29as   --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

----

Date: Thu, 08 May 2003 09:14:58 -0600
From: Marty and Vickie Rosenzweig <marty@cmn.net>
To: LIst <qrp-l@lehigh.edu>
Subject: [150190] Re: Great Light for Fine (SMT) Work
Message-ID: <3EBA7472.7FE836FF@cmn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A less expensive solution, if you don't need the whole lamp with stand,
etc.,
is the Philips EL/O 15 DL50 which is color balanced for 5000 K
(daylight) and
consumes 15W (equivalent to 60W incandescent). They sell for $20 on
bulbs.com
and are supposedly available through Sears, Home Depot and ACE. There
are also
conventional fluorescent tubes available in a the standard sizes also
daylight
balanced. These are at art supply and photo equipment supply outlets
and are
very reasonable.
There are also incandescents by Verilux (Walmart stores) but I prefer
the
lower heat generation of the fluorescents for close up work. Just make
sure
the standard base lamps (eg. EL/O) will fit in whatever lamp fixture
you're
using.

Marty
WO0Q

Steve.Lawrence@ITWFEG.COM wrote:

> I've discovered a great work light for SMT and similar fine work.
Check
> out http://www.ottlight.com/
>

Date: Thu, 8 May 2003 11:47:06 -0400
From: steve.lawrence@itwfeg.com
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [150191] RE: [NJQRP] 12Vdc Float Charger @ $7.49
Message-ID: <OF23ADE07D.E7C8E5ED-ON85256D20.00562DCA-85256D20.0056B5A0@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

>Cen-Tech 7 function digital DVM
>Item 30756-4VGA, reg. $9.99, sale $2.99
>in their email flyer.
>Catalog has 30756-3AAH as the Item #

This is amazing.... a DVM for $3!!! Makes you wonder about all sorts of things: accuracy? durability? the cost of foreign labor? why are Flukes or <fill-in-your-favorite-here> cost 50 or 100 times more?

Steve
aa8af

Date: Thu, 8 May 2003 12:08:56 -0400
From: Michael Babineau <michael.babineau@sympatico.ca>
To: qrp-l@Lehigh.EDU
Subject: [150192] Anyone have a MFJ9420 SSB Travel Radio Manual
Message-ID: <5F151FF2-816F-11D7-9A72-00039309268A@sympatico.ca>
Mime-Version: 1.0 (Apple Message framework v552)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

I seem to have misplaced the manual for my MFJ9420 SSB Travel Radio. Can someone tell me if the printed manual from MFJ has a schematic in it. I looked at the .pdf version online and it looks like there is supposed to be a schematic but it is missing.

Michael VE3WMB

Date: Thu, 8 May 2003 12:11:26 -0400
From: "Noyce, Bill" <william.noyce@hp.com>
To: <qrp-l@Lehigh.EDU>
Subject: [150193] Re: Technical Question: Op AMP / receiver audio amplifier design
Message-ID:
<6D6463F31027B14FB3B1FB094F2C744703377D71@tayexc17.americas.cpqcorp.net>
content-class: urn:content-classes:message
MIME-Version: 1.0

```
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

As others have mentioned, the pair of diodes provides
limiting.  I've seen a description of this approach
that says the limiting is needed in front of the mute
FET to make sure a strong signal doesn't change the
gate-to-source potential and undo the muting effect.
     -- Bill, AB1AV

------------------------------

Date: Thu, 8 May 2003 12:17:33 -0400
From: "Noyce, Bill" <william.noyce@hp.com>
To: <qrp-l@Lehigh.EDU>
Subject: [150194] Re: Curiosity on an 80m antenna
Message-ID:
<6D6463F31027B14FB3B1FB094F2C744703377D72@tayexc17.americas.cpqcorp.net>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Instead of using the matching section like a J-pole
(which will work on 80m but not 40m), you could use
a simple L-C circuit to match the impedance.  I use
a halfwave 80 meter antenna with a Rainbow tuner
from NJQRP.  It works well on both 80 and 40.  You
can find the schematic on their website, although
they're currently out of stock on the kits.  A Google
search for "end fed halfwave" (or "end fed half wave")
will find some other simple circuits and packaging
ideas.
     -- Bill, AB1AV

------------------------------

Date: Thu, 8 May 2003 12:26:36 -0400
From: <tlogan7@cox.net>
To: qrp-l@Lehigh.EDU
Subject: [150195] FS: shack cleaning
Message-ID: <20030508162634.TKZ19307.fed1mtao07.cox.net@smtp.west.cox.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
```

Music is staring to consume my life - these items will not be used within the forseable future:

LDG Z-11 QRP tuner like new	$125
OHR WM2 wattmeter - perfect shape	70
Unbuilt PK-3 keyer kit with hardware	20
OHR 500: receiver & oscillator boards done (don't worry, my building skills are excellent) - second one I've built because they are great - but you will need to finish.	300

Total adds to %515. If you want the whole package it is yours for $450 plus shipping. I would like to sell as a package but will sell separately if slow response on package.
Respond to tlogan7@cox.net
Thanks.

Date: Thu, 8 May 2003 08:58:07 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
        Low Power Group <qrp-l@LeHigh.EDU>
Subject: [150196] Summer Fox Hunt: Team Guidelines.
Message-ID: <Pine.LNX.4.33.0305080855230.27609-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

****

Hello everyone!...here are the Team Guidelines for the Summer Fox Hunt which runs from July 6th to Aug.10 this year...when you have your Team of 5 stations formed please send me an e-mail so I can include you on the Official Teams roster...

.72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
          A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,
          S4S-4Z2, Canada-AR Stamp Collector-   "QRP! How sweet it is!"

****

..guidelines for year 2003 Summer season...

                    ****
                    - TEAM GUIDELINES for the 20 mtr Fox Hunt -

****

Version 1.0

The main idea of the Team competition, is to have FUN, post tall tales after each hunt and to keep your CW fist loose!

- each Team will consist of 5 stations.

- obviously there will be times when some stations cannot make the fox hunt for various reasons...don't sweat it as that's the way the slippery seaweed sloshes... ;-))

- scoring is the total NUMBER OF PELTS SKINNED AND ON THE WALL by each Team hunter as indicated in the posted fox logs.

- the winning Team will receive the love and adoration of fellow hunters and foxii!.... ;-) ...and bragging rights of course!

- I would appreciate it if all foxii would send me their final log direct so I can tally the Team scores after each hunt...

  "So it was said; so let it be done" and good luck to all!!

- 72 - Bruce(VE5RC+VE5QRP) QRP-L#886   QRP-C#1

Date: Thu, 8 May 2003 09:59:47 -0500
From: "Karl" <kkanalz@gcecisp.com>
To: <lee.boulineau@attws.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150197] Re: [NJQRP] 12Vdc Float Charger @ $7.49
Message-ID: <002201c31572$784b1f30$971a0ed0@HamShack>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just called my local (sort of) Harbor Freight store in Richardson, Texas and they do indeed have that digital voltmeter in stock, but at $3.99 (rather than the $2.99 price on their website).

The lady I spoke to said, "If you have a print-out of the advertisement on the Harbor Freight web site that shows the $2.99 price, bring that with you and we'll match the price"!!! How 'bout that?!

I'm on my way to buy a BUNCH of the DVM's. They're just too inexpensive to resist!

Karl K - W8TIF
McKinney, Texas

----- Original Message -----
From: "Boulineau, Lee" <lee.boulineau@attws.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, May 08, 2003 9:45 AM
Subject: RE: [NJQRP] 12Vdc Float Charger @ $7.49

> Ron is Right!!!
>
> I got the DVM, and it's a great deal!!! Why tote your Fluke or other
> expensive meter to a Field Day - you can keep one in the car, the tool
> box, the backpack rig.....................
>
> 73 de N4MVL
>
> Lee

Date: Thu, 8 May 2003 12:53:20 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <jce0@lehigh.edu>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [150198] Re: Unusual QRP rigs for sale
Message-ID: <00cc01c31582$5b8ffa40$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>   I suggest anyone considering purchasing from Caitlyn browse through
> the archives before buying:
>
>   ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405
>   ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405
>

> I am not here to pass judgement, I merely remember this fiasco and want
> fellow QRP-L'ers to make their own informed decision. Enough said.
>
> 73
> Jim N3VXI

I can get to the files IF I go 'one up' on them. That is, I go to
ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/
and then click on 020405.Z

OR if I edit the line to be..

ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405.Z

The problem is the original line ends with the 020405 and the browser
appends a '/' character to it.

Mike

Date: Thu, 08 May 2003 10:55:32 -0400
From: Steve SLAVSKY <radioham@comcast.net>
To: qrp-l@lehigh.edu
Subject: [150199] Cailtyn - KU4QD
Message-ID: <2da7aa2da1e1.2da1e12da7aa@icomcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-language: en
Content-transfer-encoding: 7BIT
Content-disposition: inline

I have to take exception with Jim's warning. I have dealt with Caity
several times over the past few years and each transaction has gone
flawlessly. I believe she is honest and above board in her dealings.
All of us may have a messed up transaction from time time for a wide
variety of reasons - as long as they are made good in the end, I don't
see that it makes much of a difference. There is certainly no reason
to mark someone for life because of that.

Bottom line is I have done business with many of you on this list and
with Caity and I would consider my tranactions with her as good as
those with others on QRP-L. And I would not hesitate to do business
with her again.

72/73,

Steve, N4EUK
Reston, VA

Date: Thu, 08 May 2003 13:24:44 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150200] Re: Unusual QRP rigs for sale
Message-ID: <3EBA92DC.6040709@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Hi Mike,

   Getting the ".Z" (compressed) file isn't a problem, but the FTP server will uncompress on-the-fly is you omit the ".Z" but IE causes the problem. It scans the directory and knows there is no file there without the ".Z" so it won't even try to retrieve it. Setting the options as I posted has reportedly solved the problem for some people. You may need to reload, restart, and/or clear the browser cache. You may also have luck starting at the index.html page:

      ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/index.html

   I'm glad I don't use IE :-)

73
Jim N3VXI

> I can get to the files IF I go 'one up' on them. That is, I go to
> ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/
> and then click on 020405.Z
>
> OR if I edit the line to be..
>
> ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405.Z
>
> The problem is the original line ends with the 020405 and the browser
> appends a '/' character to it.
>
> Mike

Date: Thu, 08 May 2003 13:37:44 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: radioham@comcast.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150201] Re: Cailtyn - KU4QD
Message-ID: <3EBA95E8.90007@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Hi Steve,

   As I said, I'm not here to pass judgement. If you read through the two days archives I posted there were many folks who reported they had good transactions with Caity. My warning was not intended to tell folks not to buy. It was intended to provide the information so they could make their own informed decision. I was hopeful that I could head-off a rash of warnings by doing it first. If I thought Caity was thief I would not have approved her posting in the first place!

   And I certainly have nothing against YL's. I'm married to one and have fathered one. I happen to like YL's better then OM's :-)

   And I apologize to Caity for having to bring the whole thing up again.

73
Jim N3VXI

> I have to take exception with Jim's warning. I have dealt with Caity
> several times over the past few years and each transaction has gone
> flawlessly. I believe she is honest and above board in her dealings.
> All of us may have a messed up transaction from time time for a wide
> variety of reasons - as long as they are made good in the end, I don't
> see that it makes much of a difference. There is certainly no reason
> to mark someone for life because of that.
>
> Bottom line is I have done business with many of you on this list and
> with Caity and I would consider my tranactions with her as good as
> those with others on QRP-L. And I would not hesitate to do business
> with her again.
>
> 72/73,
>
> Steve, N4EUK
> Reston, VA

Date: Thu, 08 May 2003 13:15:15 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [150202] Re: [NJQRP] 12Vdc Float Charger @ $7.49
Message-ID: <5.1.1.6.1.20030508131338.00a73ec0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>The lady I spoke to said, "If you have a print-out of the advertisement on
>the Harbor Freight web site that shows the $2.99 price, bring that with you
>and we'll match the price"!!! How 'bout that?!
>
>I'm on my way to buy a BUNCH of the DVM's. They're just too inexpensive to
>resist!

Karl,

At that price, they'd be worth keeping around to use as panel meters.
(There was an amplifier article in QEX some years ago that used one as the
HV power supply voltage readout.)

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 8 May 2003 12:24:20 -0500
From: "George, W5YR" <w5yr@att.net>
To: <william.noyce@hp.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [150203] Re: Curiosity on an 80m antenna
Message-ID: <00dd01c31586$aa25a2a0$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Another keyword to help in a search is the "real" name for an end-fed halfwave antenna: the Fuchs antenna.

Any wire that is a multiple of a halfwave on a given band can be fed at the end with a parallel-tuned circuit. Connect one end to the antenna and the other end to ground. Note that this connection differs in function from the "ground" connection made when feeding a quarter-wave antenna "against ground."

You can either tap up the coax feedline center conductor on the coil to find the point of lowest SWR with the system tuned to resonance or you can use link coupling - I would tap the coil and connect the coax braid to the same "ground" as the tuned circuit.

For a couple of years back in the 40's I ran a 260 ft antenna (fullwave on 80) with a parallel-tuned circuit center-link-coupled to an 813 final tank circuit using another link. The antenna connected to one end of the tuned circuit and the other end was "floating." I tuned the thing by adjusting the taps on the coil and the capacitor for maximum arcs from the antenna connection using a wooden (!) pencil. At night I watched a 40-watt fluorescent lamp taped along the wire at the far end and tuned for maximum light. Worked 80 - 20 like hose and very directional off the ends on 20.

Haven't thought of a Fuchs antenna in years . . .

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----
From: "Noyce, Bill" <william.noyce@hp.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, May 08, 2003 11:17 AM
Subject: Re: Curiosity on an 80m antenna

> Instead of using the matching section like a J-pole
> (which will work on 80m but not 40m), you could use
> a simple L-C circuit to match the impedance. I use
> a halfwave 80 meter antenna with a Rainbow tuner
> from NJQRP. It works well on both 80 and 40. You

> can find the schematic on their website, although
> they're currently out of stock on the kits. A Google
> search for "end fed halfwave" (or "end fed half wave")
> will find some other simple circuits and packaging
> ideas.
> -- Bill, AB1AV

Date: Thu, 8 May 2003 13:24:14 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <radioham@comcast.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [150204] Re: Cailtyn - KU4QD
Message-ID: <014d01c31586$a719e940$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I have to take exception with Jim's warning. I have dealt with Caity
> several times over the past few years and each transaction has gone
> flawlessly. I believe she is honest and above board in her dealings.
> All of us may have a messed up transaction from time time for a wide
> variety of reasons - as long as they are made good in the end, I don't
> see that it makes much of a difference. There is certainly no reason
> to mark someone for life because of that.
>
> Bottom line is I have done business with many of you on this list and
> with Caity and I would consider my tranactions with her as good as
> those with others on QRP-L. And I would not hesitate to do business
> with her again.
>
> 72/73,
>
> Steve, N4EUK
> Reston, VA

I don't want to pass judgement on anyone, and personally, I saw the
whole mess as a personal issue that got out of hand. I'm not going to
declare someone right or wrong over what they did do, did not do,
promised to do, or denied doing.

However, it DID spill over onto the list, and since it did, I don't think
the advisement to just look at the spillage was out of line.

Mike

Date: Thu, 8 May 2003 13:29:15 -0400
From: <tlogan7@cox.net>
To: qrp-l@Lehigh.EDU
Subject: [150205] WM-2 sold
Message-ID: <20030508172919.BMCC18588.fed1mtao03.cox.net@smtp.west.cox.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi folks -
The wattmeter mentioned in my shack cleaning ad is sold. I got a ton of responses for it so thought I better get it moving. Thanks for all of the inquires. The other stuff is all available.
73/Tim NZ7C

Date: Thu, 8 May 2003 12:30:30 -0500
From: "Boulineau, Lee" <lee.boulineau@attws.com>
To: <jce0@Lehigh.EDU>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150206] RE: Unusual QRP rigs for sale
Message-ID: <90B09553A615CE4192A646D8CFA67DA8428EBD@TX-MSG05-
CCC.wireless.attws.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="US-ASCII"
Content-Transfer-Encoding: quoted-printable
content-class: urn:content-classes:message

Given the trouble that I have had with FTP sites and IE 5.5 and 6.0, I now use a FTP client for all FTP sites, even after I changed the settings in IE - I recommend SmartFTP, but there is other client software out there.....YMMV, Yada, Yada, Yada.....I have no pecuniary interest in any FTP client (look it up in a dictionary if necessary)

73 de N4MVL Lee ;-)

-----Original Message-----
From: Jim Eshleman [mailto:jce0@Lehigh.EDU]
Sent: Thursday, May 08, 2003 12:25 PM
To: Low Power Amateur Radio Discussion

Subject: Re: Unusual QRP rigs for sale

Hi Mike,

Getting the ".Z" (compressed) file isn't a problem, but the FTP=20
server will uncompress on-the-fly is you omit the ".Z" but IE causes the

problem. It scans the directory and knows there is no file there=20
without the ".Z" so it won't even try to retrieve it. Setting the=20
options as I posted has reportedly solved the problem for some people.=20
You may need to reload, restart, and/or clear the browser cache. You=20
may also have luck starting at the index.html page:

ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/index.html

I'm glad I don't use IE :-)

73
Jim N3VXI

> I can get to the files IF I go 'one up' on them. That is, I go to
> ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/
> and then click on 020405.Z
>=20
> OR if I edit the line to be..
>=20
> ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405.Z
>=20
> The problem is the original line ends with the 020405 and the browser
> appends a '/' character to it.
>=20
> Mike

Date: Thu, 8 May 2003 10:36:41 -0700
From: "KXBill" <w7kxb@cox.net>
To: <myetsko@insydesw.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150207] Re: Unusual QRP rigs for sale
Message-ID: <037a01c31588$62f70fc0$25ac6d44@ph.cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Your URL's still don't compute.
w7kxBill
----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, May 08, 2003 09:53
Subject: Re: Unusual QRP rigs for sale

> I suggest anyone considering purchasing from Caitlyn browse through
> the archives before buying:
>
> ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405
> ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405
>
> I am not here to pass judgement, I merely remember this fiasco and
want
> fellow QRP-L'ers to make their own informed decision. Enough said.
>
> 73
> Jim N3VXI

I can get to the files IF I go 'one up' on them. That is, I go to
ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/
and then click on 020405.Z

OR if I edit the line to be..

ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405.Z

The problem is the original line ends with the 020405 and the browser
appends a '/' character to it.

Mike

Date: Thu, 8 May 2003 13:30:43 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Jim Eshleman" <jce0@lehigh.edu>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [150208] Re: Unusual QRP rigs for sale
Message-ID: <000901c31588$b9769dc0$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> Hi Mike,
>
>   Getting the ".Z" (compressed) file isn't a problem, but the FTP
> server will uncompress on-the-fly is you omit the ".Z" but IE causes the
> problem. It scans the directory and knows there is no file there
> without the ".Z" so it won't even try to retrieve it. Setting the
> options as I posted has reportedly solved the problem for some people.
> You may need to reload, restart, and/or clear the browser cache. You
> may also have luck starting at the index.html page:
>
>   ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/index.html
>
>   I'm glad I don't use IE :-)
>
> 73
> Jim N3VXI

Interesting...

If I clicked on the FTP flag in IE6, and then went through your index
link above, I could then see the file.

Mike

Date: Thu, 08 May 2003 10:38:09 -0700
From: Steve Ratzlaff <steveratz@eoni.com>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Cc: Brad Hernlem <alihernlem@hotmail.com>
Subject: [150209] Re: JFET Sleuthing--more info found
Message-ID: <3EBA9601.F7EA2893@eoni.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Brad,
Glad you're continuing to experiment with the jfets. Who knows, perhaps
you'll discover even the asym. ones don't differ much in other tests.
I'm certainly following the results with great interest. I've only done
Idss tests/matching of devices in the past, for parameter testing.

My data for symmetrical and non-symmetrical jfets comes from the
Siliconix "January 1986 Small Signal FET Data Book". For any given jfet,
such as a 2N4416A, the symbol for the fet is given, along with all the

other electrical characteristics. Some devices have symbols that show the gate in the middle between source and drain (symmetrical) and some show the gate at the bottom, closest to the source (non-symmetrical). That's what I based my table of jfets I presented earlier on. There is nothing else in the data sheet for the particular fet that states it's symmetrical or not. Since Brad so far has not found anything to distinguish between source and drain, I've done more hunting for information that might mention geometry characteristics. I've finally found something. The book, "The Art of Electronics" by Horowitz and Hill, 1980 (first edition) (Cambridge University Press), page 224 in Chapter Six "Field Effect Transistors", has this to say:

"The circuit symbol for FETs doesn't distinguish source and drain, which is unfortunate. FETs are nearly symmetrical, but the gate-drain capacitance is designed to be less than the gate-source capacitance, for instance, thus making the drain the preferred output terminal. Sometimes you write an S and a D on the schematic, to clarify things, or use the alternate symbol in which the gate arrow is drawn opposite the source; otherwise you figure it out from the circuit context. The same ambiguity exists for MOSFETs."

Redoing my previous chart to show gate-source and gate-drain capacitance (these are dynamic characteristics, not a static measurement, according to the data book), here's some more data. (The data book only gave specific g-s, g-d figures for the J310 family, from my devices in the original table-- apparently this is not a widely-used parameter. But you can see the results for this one case corroborate AOE's comments.)

	Cgd	Cgs
J304/5/U308-10	2.5pf max	5.0pf max

(Test Conditions: Vds 0v., Vgs -10v., f=1MHz)

Steve AA7U

Brad Hernlem wrote:
>
> OK, more data has arrived ....
>
> I tested five (5) each of types J309 and MPF102 FETs which are, according to
> AA7U,
> asymmetrical channel JFETs. The tests performed were IDSS measured at 15V D
> to S and
> 0V on gate and VGS (off) with 15V D to S. Results were as follows:
>
> J309
> -------

> IDSS VGS (off)
> Sample Normal Reversed Normal Reversed
> ---
> 1 24mA 24mA -1.75V -1.73V
> 2 13 13 -1.14 -1.14
> 3 15 15 -1.24 -1.26
> 4 23 23 -1.73 -1.74
> 5 22 22 -1.66 -1.66
>
> MPF102
> -------
> IDSS VGS (off)
> Sample Normal Reversed Normal Reversed
> ---
> 1 8.7mA 8.7mA -2.63V -2.70V
> 2 10.4 10.4 -3.09 -3.08
> 3 13.2 13.2 -3.67 -3.68
> 4 11.2 11.2 -3.31 -3.28
> 5 7.9 7.9 -2.57 -2.53
>
> Well, so much for using pinchoff and IDSS for determining the source and
> drain! Apparently even in asymmetric FETs the reversal of these leads makes
> no difference to these parameters. Now I wonder how the forward
> transadmittance looks one way and the other. Back to the lab .....
>
> Brad KG6IOE
>
> _____
> Tired of spam? Get advanced junk mail protection with MSN 8.
> http://join.msn.com/?page=features/junkmail

Date: Thu, 8 May 2003 12:53:04 -0500
From: "George, W5YR" <w5yr@att.net>
To: <SUpton@ALLEGROMICRO.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [150210] Re: Curiosity on an 80m antenna
Message-ID: <00fb01c3158a$adb27610$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Shawn, this is a candidate for modeling in order to answer your questions.

The problem that I see is that on 80 your 1/4 wave stub will be shorted on
the bottom in order to reflect a high impedance at the end of the halfwave

antenna. That is the normal way a J-pole operates.

On 40, however, that short on the bottom will be a short at the end of the fullwave antenna and that won't work too well.

Also, the position up the stub where you tap the feedline to match (assuming you use coax for a feeder) probably would be inappropriate for 40 meters.

I would seriously consider a tuned circuit rather than a stub for matching in this case.

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, May 08, 2003 7:06 AM
Subject: RE: Curiosity on an 80m antenna

> I was thinking of the basic J-pole for 80m, minus the inductive stub on the
> bottom (for matching to coax), and using it on 40m, thus making a 2 band end
> fed antenna. On 80m, there would be the 1/4 wave matching section and 1/2
> wave radiator, which would be 1/2 wave (non?) matching section and full wave
> radiator on 40m. I was curious if the impedances wouldn't be too bad. It
> would be easier for me to put up an end fed antenna, but I am a bit more
> partial to resonant antennas (a bit easier for me to tune, and seem to have
> less issues in general--but that's my humble opinion).
>
> KB1CKT

Date: Thu, 8 May 2003 14:02:12 -0400
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>

To: "'George, W5YR'" <w5yr@att.net>,
        Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150211] RE: Curiosity on an 80m antenna
Message-ID: <E1F0152638DBD311AEF700D0B74455E2715AD9@exchange_nh.allegromicro.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

Originally, I was not going to use the shorted stub for matching, but rather use the antenna tuner (or matching network or the buzzword of the week for my MFJ-969) for matching. I've since given up on the idea, since, as one person pointed out, on 40m the radiator is 1 full wave and therefore a high impedance, but the matching section is a 1/2 wave and not helping me. In the begining, I was mistakingly thinking that on 40m, the radiator would be a reasonably low impedance and that matching it would be easy.

KB1CKT

-----Original Message-----
From: George, W5YR [mailto:w5yr@att.net]
Sent: Thursday, May 08, 2003 1:53 PM
To: SUpton@ALLEGROMICRO.com; Low Power Amateur Radio Discussion
Subject: Re: Curiosity on an 80m antenna

Shawn, this is a candidate for modeling in order to answer your questions.

The problem that I see is that on 80 your 1/4 wave stub will be shorted on the bottom in order to reflect a high impedance at the end of the halfwave antenna. That is the normal way a J-pole operates.

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Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

Date: Thu, 8 May 2003 11:06:36 -0700
From: Steve Smith <sigcom@juno.com>
To: steve.lawrence@itwfeg.com
Cc: qrp-l@Lehigh.EDU
Subject: [150212] Re: [NJQRP] 12Vdc Float Charger @ $7.49
Message-ID: <20030508.110636.-475013.2.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steve and group,

I gotta chime in here since I own a few of these meters.

Yes, a DVM for 3 bucks.

Accuracy: Good enough for general use.
Durability: Fair. Drop it from 6 ft. and it'll probably die. But maybe not :)
Foreign labor: Yep, built with slave labor in China. That's why H.F. can sell it so cheap.
Why Flukes, etc. cost more: Because they are durable, precise, lab quality instruments.

Be that as it may, I have a few of the H.F. DVMs scattered around in various tool boxes, like my toolkit I take to Ham events, my R/C flying box, the kitchen drawer, etc.

What I like about this meter: The 10 Amp current range and the transistor beta checker. That and if it dies, I throw it away with no remorse. I leave my Fluke on the test bench where I need the accuracy.

73.......Steve Smith WB6TNL
          Oxnard, CA USA
           "Snort Rosin"
--I know you believe you understand what you think I said,
but I am not sure you realize that what you heard is not what I meant.--

On Thu, 8 May 2003 11:47:06 -0400 steve.lawrence@itwfeg.com writes:

>
> This is amazing.... a DVM for $3!!! Makes you wonder about all
> sorts of
> things: accuracy? durability? the cost of foreign labor? why are
>

> Flukes or <fill-in-your-favorite-here> cost 50 or 100 times more?

Date: Thu, 08 May 2003 14:12:39 -0400
From: Jerry Lofstead <w3cde@bellsouth.net>
To: carlseye@tampabay.rr.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150213] Re: Unusual QRP rigs for sale
Message-ID: <3EBA9E17.7FEEB26E@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

FWIW... Catilyn made good on EVERYTHING!...

carl seyersdahl wrote:
>
> FWIW, I clicked on the links shown and I get an error msg. saying no such
> file exists.??????
> carl / kz5ca
> ----- Original Message -----
> From: "Jim Eshleman" <jce0@Lehigh.EDU>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Thursday, May 08, 2003 10:03 AM
> Subject: Re: Unusual QRP rigs for sale
>
> > Sorry, that second link should be:
> >
> > ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020406
> >
> > > Gang,
> > >
> > > I suggest anyone considering purchasing from Caitlyn browse through
> > > the archives before buying:
> > >
> > > ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405
> > > ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405
> > >
> > > I am not here to pass judgement, I merely remember this fiasco and want
> > > fellow QRP-L'ers to make their own informed decision. Enough said.

> > >
> > > 73
> > > Jim N3VXI
> >

Date: Thu, 8 May 2003 13:20:39 -0500
From: "Karl" <kkanalz@gcecisp.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150214] Re: $3.00 DVM
Message-ID: <005c01c3158e$87d86130$be1a0ed0@HamShack>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Accuracy of that Made-in-China Cen-Tech 7 meter is actually quite good,
Steve.

According to the instruction sheet that comes with it (one of six I bought
this morning):

DC Voltage:

200 mV   0.5% of reading +/- 2D   (I assume they mean 2 digits)
2000 mV   0.5% of reading   "
20 V   0.5% of reading,   "
200 V   0.5% of reading,   "
1000 V   0.8% of reading   "

AC Voltage:

200V   1.2% of reading   Frequency Range 45Hz to 450 Hz
750V   1.2% of reading   "   "   "
"

It also tests diodes and transistors (PNP and NPN) for hfE, Resistance and
DC current up to 10 amperes. It is a 3.5 digit display, 1/2-inch high LCD
screen (easy to read, too!).

One thing they DON'T tell you is what the input impedance is, but I suspect
it's pretty high....

Why so cheap (compared to my two Fluke 87s)? Well, for one thing the Fluke
is auto-ranging -- no "band switching" for the various scales. The Fluke
has "auto-polarity" as well.... doesn't matter if you have the red and black

leads reversed or not. The Fluke also has a known input impedance (on the order of 12 Megohms), and a much better high frequency response than this little Chinese fortune cookie. Maximum DC and AC voltage input capability to the Fluke are higher than the Cen-Tech meter. My Fluke 87s are 4.5 digit measuring and display instead of 3.5 digits on the Cen-Tech. My 87s also have a "sample and hold" push button to "store" readings, and along with the digital display, there's a bargraph "analog" display (handy when peaking circuits). Fluke 87s also offer an audible circuit continuity testing (handy for debugging multi-conductor cables and circuit board debugging work).

There's probably a lot more features in the Fluke DMMs that I haven't enumerated here, but that's one of the reasons they cost significantly more than the Harbor Freight "Cen-Tech".

Regardless, the $3.00 Cen-Tech 7 is an outstanding bargain -- heck, you could always take it apart and scavange the parts to build a QRP rig (the 9-volt battery and test leads are included!).

Karl K - W8TIF
McKinney, Texas

----- Original Message -----
From: <steve.lawrence@itwfeg.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, May 08, 2003 10:47 AM
Subject: RE: [NJQRP] 12Vdc Float Charger @ $7.49

> >Cen-Tech 7 function digital DVM
> >Item 30756-4VGA, reg. $9.99, sale $2.99
> >in their email flyer.
> >Catalog has 30756-3AAH as the Item #
>
> This is amazing.... a DVM for $3!!! Makes you wonder about all sorts of
> things: accuracy? durability? the cost of foreign labor? why are
> Flukes or <fill-in-your-favorite-here> cost 50 or 100 times more?
>
> Steve
> aa8af

Date: Thu, 08 May 2003 14:22:00 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu

Subject: [150215] The " 'Tenna Dipper"
Message-ID: <3.0.6.32.20030508142200.007a9530@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

Just finished up a new simple project called the " 'Tenna Dipper". It's used to find the resonant freq of an antenna or to set up a tuner for 50 ohm match. It's small enough to fit in an Altoids tin (of course) with a 9V battery to run it. (all through hole parts this time :-) Ideal for use in the field when you don't want to lug your heavy and expensive MFJ with you.

The circuit consists of a wide range R/C VCO (74HC4046), a resistive 50 ohm bridge and a sensitive detector with a LED for match indicator. Useable range is 2.5 MHz to over 30 MHz. A freq counter is needed to know what freq the oscillator is tuned too. However, there is a bank of four trimmers (and a fine tune control) that are selectable with a shorting plug and can be used to center the oscillator in four ham bands. This eliminates taking a counter into the field for testing if the antenna is okay or seting up your tuner.

Schematic, ect can be seen at <http://www.qsl.net/kd1jv/tenna_dipper.HTM> or linked from the main page.

If there is the usual amount of interest in a kit, we can do one for about $15.00. Let me know :-)

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
http://www.qsl.net/kd1jv/

Date: Thu, 08 May 2003 14:22:39 -0400
From: W2AGN <w2agn@w2agn.net>
To: qrp-l@lehigh.edu, njqrp@njqrp.org
Subject: [150216] 30M Rockmite
Message-ID: <3EBA682F.7630.12679EC@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Just finished my 3rd Rockmite. This was the kit I won at Atlanticon this

year. Since I already had a 20M and a 40M Rockmite, I ran right over to Doug's Norcal table and got a couple of 10.116 crystals. With a couple of other changes, it works great on 30M. I used a 2N3553 in the final, and changed the 10 ohm resistor to 4.7 ohms, for a nice cool 750mw out on 30M. Actual freq is about 10.115. Not hearing much on 30M right now, even with another receiver, but will be monitoring to scare up a 30M Rockmite QSO.

Built this one in Doug Hauff's Mitybox. Sure makes a cute little vest pocket rig.

+-++-++-++-++-+ John L. Sielke
|W||2||A||G||N| http://www.w2agn.net [UPDATED]
+-++-++-++-++-+   Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

Date: Thu, 08 May 2003 11:31:42 -0700
From: Steve Ratzlaff <steveratz@eoni.com>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Cc: steve.lawrence@itwfeg.com
Subject: [150217] Thoughts on Inexpensive DMM's
Message-ID: <3EBAA28E.DAC7EF67@eoni.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,
As someone else noted, at the price, the Harbor Freight DMM would be great as a backup or flea market or vehicle DMM. However for a primary home or lab instrument I think the issue is one of accuracy. In the R&D lab I spent 21 years in before retiring, we only used DMM's with 0.1% DCV accuracy. At one time, this used to be the defacto standard for lab handheld DMM's. In the past 10 years or so, the main manufacturers of high-quality DMM's (Fluke, HP and others) have begun offering less expensive versions of their meters. What suffers is accuracy. One now has to carefully read the specs of a potential meter to be purchased. 0.8% for DCV accuracy is common now--I personally would not buy such a meter for my own use in my home lab. Sometimes no specs at all are given--forget that one. Now, the main-brand meters offering 0.1% accuracy are not cheap, in the $200-300 and up range. But I've found off-brands that still offer good accuracy if you look around. There are some 4 1/2 digit meters under $200. that have basic DCV accuracy in the 0.05% range. And some of the "do-everything" meters (capacitance, inductance, temperature, frequency etc.) have good DCV accuracy too. But you have to carefully read the specs. For most DMM users, DCV accuracy

is the most important. Note that in almost all DMM's that the accuracy is poorer for the other modes. For instance, the ohms scale in many meters is only 1% accuracy; ACV is usually 3-5% accuracy, and that's only at 60Hz.

I would guess the inexpensive Harbor Freight DMM has 1-2% DCV accuracy--probably good enough for casual uses like measuring battery voltage, but certainly not good enough if you were setting the turnoff point of your newly-constructed battery charger project.

My favorite standard "old-time" DMM, often found on the used/surplus market is the Fluke 8020 series, with 0.1% DCV accuracy. They have no frills, just very good DCV accuracy. I have 3 or 4 of them, all obtained used from flea markets, and cost me from $20 to $45. Be sure to bring a 9 volt battery with you if you find one at a flea market that doesn't already have a battery in it--you have to power it up to make sure the switches and display digits all function, and the display is not burned so you can't read it.

For new meters, check out the Protek and Metex brands, carried by a number of mail-order distributors (MCM, Jameco, etc.), if you're not willing to spend the high dollars for a high-accuracy, name-brand DMM. Just be sure to carefully read the specs before you choose a meter for other than casual usage.

And as an anecdote on cheap meters, I bought two $9.99 DMM's several years ago. The box even had pertinent specs on it (1% DCV) (made in China, where else). But at home, one meter became intermittent within a week, with half the LCD display coming and going as the meter was handled/lightly flexed. I was never able to correct the problem when I took it apart and fiddled with it. The other meter continues to work OK. Perhaps the Harbor Freight versions are better-built than the ones I got--one would certainly hope so. But at least you haven't lost much on such a low-priced DMM, if it goes bad on you later. The name brands often claim "will survive a drop from table to floor"--don't expect your elcheapo meter to!

Steve AA7U

steve.lawrence@itwfeg.com wrote:
>
> >Cen-Tech 7 function digital DVM
> >Item 30756-4VGA, reg. $9.99, sale $2.99
> >in their email flyer.
> >Catalog has 30756-3AAH as the Item #
>
> This is amazing.... a DVM for $3!!! Makes you wonder about all sorts of
> things: accuracy? durability? the cost of foreign labor? why are

> Flukes or <fill-in-your-favorite-here> cost 50 or 100 times more?
>
> Steve
> aa8af

Date: Thu, 8 May 2003 13:41:18 -0400 (EDT)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: Karl <kkanalz@gcecisp.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150218] Re: $3.00 DVM
Message-ID: <Pine.LNX.4.44.0305081331280.7365-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I use Fluke 87 and Tek TX3s at work.

They are fantabulous meters, both of them.

They are rugged and sturdy, built like bricks.

I look at them and TRUST the 1000v rating (or whatever it is).

I also have software for interfacing the TX3 to my laptop.

I would say that there's a calibration issue but no...that's above and
beyond the initial $30 hit. Whether the meter would stay in calibration
longer without adjustment, who knows?

For measuring the presence of a low DC voltage or a small current, I would
trust the inexpensive meter. For safety's sake, I gotta go with the Fluke
or Tek.

Note that at home, I'm fine with my Rat Shack meter.

At work, where I measure 480 VAC...on the other hand...

Scott N7JI

On Thu, 8 May 2003, Karl wrote:

> Accuracy of that Made-in-China Cen-Tech 7 meter is actually quite good,
> Steve.
>
> According to the instruction sheet that comes with it (one of six I bought
> this morning):
>

> DC Voltage:
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> 200 mV 0.5% of reading +/- 2D (I assume they mean 2 digits)
> 2000 mV 0.5% of reading "
> 20 V 0.5% of reading, "
> 200 V 0.5% of reading, "
> 1000 V 0.8% of reading "
>
> AC Voltage:
>
> 200V 1.2% of reading Frequency Range 45Hz to 450 Hz
> 750V 1.2% of reading " " "
> "
>
> It also tests diodes and transistors (PNP and NPN) for hfE, Resistance and
> DC current up to 10 amperes. It is a 3.5 digit display, 1/2-inch high LCD
> screen (easy to read, too!).
>
> One thing they DON'T tell you is what the input impedance is, but I suspect
> it's pretty high....
>
> Why so cheap (compared to my two Fluke 87s)? Well, for one thing the Fluke
> is auto-ranging -- no "band switching" for the various scales. The Fluke
> has "auto-polarity" as well.... doesn't matter if you have the red and black
> leads reversed or not. The Fluke also has a known input impedance (on the
> order of 12 Megohms), and a much better high frequency response than this
> little Chinese fortune cookie. Maximum DC and AC voltage input capability
> to the Fluke are higher than the Cen-Tech meter. My Fluke 87s are 4.5 digit
> measuring and display instead of 3.5 digits on the Cen-Tech. My 87s also
> have a "sample and hold" push button to "store" readings, and along with the
> digital display, there's a bargraph "analog" display (handy when peaking
> circuits). Fluke 87s also offer an audible circuit continuity testing
> (handy for debugging multi-conductor cables and circuit board debugging
> work).
>
> There's probably a lot more features in the Fluke DMMs that I haven't
> enumerated here, but that's one of the reasons they cost significantly more
> than the Harbor Freight "Cen-Tech".
>
> Regardless, the $3.00 Cen-Tech 7 is an outstanding bargain -- heck, you
> could always take it apart and scavange the parts to build a QRP rig (the
> 9-volt battery and test leads are included!).
>
> Karl K - W8TIF
> McKinney, Texas
>
> ----- Original Message -----
> From: <steve.lawrence@itwfeg.com>

> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Thursday, May 08, 2003 10:47 AM
> Subject: RE: [NJQRP] 12Vdc Float Charger @ $7.49
>
>
> > >Cen-Tech 7 function digital DVM
> > >Item 30756-4VGA, reg. $9.99, sale $2.99
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> > This is amazing.... a DVM for $3!!! Makes you wonder about all sorts of
> > things: accuracy? durability? the cost of foreign labor? why are
> > Flukes or <fill-in-your-favorite-here> cost 50 or 100 times more?
> >
> > Steve
> > aa8af
>
>

--
Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu http://w3eax.umd.edu/~ham

Date: Thu, 08 May 2003 14:45:05 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [150219] RE: FTP Programs...
Message-ID: <5.2.0.9.2.20030508142443.02769280@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

You might also look at: BulletProof FTP from (of course) BulletProof
Software. I have both BP FTP and Cute FTP, and prefer BP FTP-although they
are both good. I tried Smart also, but found BP FTP to work best for me.
See: <http://www.bpftp.com/>.

Cute FTP can be found at:
<http://www.programmersparadise.com/Product.pasp?
txtProductID=g23+0165&source=WEBGOOG>;
and...

Smart FTP at: <http://www.smartftp.com/> .

I also ran into 3D-FTP while looking for Smart's URL... but have never tried it. See: <http://3dftp.com/>.

Most-or all-of these offer a TRY-BEFORE-YOU-BUY download. They range from $20 to $40 for a single-user-license. I got interested in these because MS Front Page seems to have some serious issues with publishing changes into my website to QSL.NET. Sometimes it'll go right through, and others, it takes try after try-with various DIFFERENT error messages when it fails. MANY times I have gone right to BP FTP and sent my page in immediately-with no error messages, no 'nothin' (except proper results showing up on the website.) Meaning, it isn't QSL.NET's being busy or something.

The one problem I have run into doing it via BP FTP (and I think it would hold for ANY FTP program) is that NEW graphics (or anything else that's more than pure HTML code) do not show up on the website-even though I have been careful to SEND both the new HTML page, AND the graphic file. I've tried resending the INDEX page, and several other files, but have never found out what ELSE I should send when adding a new graphic/etc. EVEN if the graphic appears on another page, it still won't show. When I send it through Front Page, all is cured. Any thoughts on this would be welcomed.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: http://www.n4xy.com

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Thu, 8 May 2003 13:49:36 -0400 (EDT)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: Karl <kkanalz@gcecisp.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150220] P.S. on meters
Message-ID: <Pine.LNX.4.44.0305081341520.7365-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yes, there is also the difference between a "meter" which measures RMS
from a sinewave, and a "true RMS" meter, which will give you the true
effective DC value of ANY waveform within reason, including sawtooth,
square, triangle and other nondescript waveforms.

My Tek at work also has a K-type thermocouple, and measures frequency, a
huge backlit LCD, a very solid feel, and a large rubber boot that pretty
much convinces me that even if it fell from 10 feet, it would
survive...and if it didn't, I could talk to the company and probably get
service even though it's out of warranty.

--
Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu http://w3eax.umd.edu/~ham

Date: Thu, 8 May 2003 15:01:55 -0400
From: "K8YS/N8LBR" <jbcraft@adelphia.net>
To: <steveratz@eoni.com>,
        "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [150221] RE: Thoughts on Inexpensive DMM's
Message-ID: <000701c31594$4b8bc4a0$79d7aa44@lbrtoh.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You know, the Simpson 260 was not that accurate and it is considered a
trade standard...

I suppose if I were to measure precise voltage, I would drag out the
100MHz Tek scope...

OO
Bob

Date: Thu, 08 May 2003 15:02:07 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [150222] Re: The " 'Tenna Dipper"
Message-ID: <5.1.1.6.1.20030508145725.00a69c40@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 02:22 PM 5/8/2003 -0400, you wrote:
>Just finished up a new simple project called the " 'Tenna Dipper". It's
>used to find the resonant freq of an antenna or to set up a tuner for 50
>ohm match. It's small enough to fit in an Altoids tin (of course) with a 9V
>battery to run it. (all through hole parts this time :-) Ideal for use in
>the field when you don't want to lug your heavy and expensive MFJ with you.

<snip>

>If there is the usual amount of interest in a kit, we can do one for about
>$15.00. Let me know :-)

Steve,

Having a lab, er, junk box reasonably well stocked with digital IC's, I
probably wouldn't go for a kit.

BUT - having just this week broken the legs off of a DDS chip I was trying
to use to breadboard an analyzer a la the NJQRP design (and still kicking
myself for it), you can be sure I'm going to give your design a try! I'll
also nominate you for sainthood if I can get it to work. (Grin)

Thank you!

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 08 May 2003 15:06:40 -0400
From: "John L. Sielke" <w2agn@w2agn.net>
To: qrp-l@Lehigh.EDU, ku4qd@earthlink.net
Subject: [150223] Re: Unusual QRP rigs for sale
Message-ID: <3EBAAAC0.8040006@w2agn.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

> Gang,
>
>   I suggest anyone considering purchasing from Caitlyn browse through
> the archives before buying:
>
>   ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405
>   ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2002/020405
>
> I am not here to pass judgement, I merely remember this fiasco and want
> fellow QRP-L'ers to make their own informed decision. Enough said.
>
> 73
> Jim N3VXI

I am sure this post will be "moderated" by Mr. Eschleman, but I find his "warning" in extremely bad taste, especially coming from the "moderator" of the list, which to the uninformed gives it more credibility. Caitlyn explained her problems at that time, and from what I understand, all were satisfied. Mr. Eschleman is not, I am sure, in full possession of the facts, and has no place minding other people's business.

This goes far beyond the duties and responsibilities of a list moderator.

I would suggest Caitlyn look into legal action. I personally intend to write a letter to the Alumni Association, and the Computer Department at Lehigh protesting this high handed misuse of authority.

John W2AGN
Lehigh Univ. Class of '66

Date: Thu, 08 May 2003 15:26:38 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>

To: w2agn@w2agn.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150224] Re: Unusual QRP rigs for sale
Message-ID: <3EBAAF6E.6020508@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

> I am sure this post will be "moderated" by Mr. Eschleman, but I find his
> "warning" in extremely bad taste, especially coming from the "moderator"
> of the list, which to the uninformed gives it more credibility. Caitlyn
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> the facts, and has no place minding other people's business.
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> I would suggest Caitlyn look into legal action. I personally intend to
> write a letter to the Alumni Association, and the Computer Department at
> Lehigh protesting this high handed misuse of authority.
>
> John W2AGN
> Lehigh Univ. Class of '66
   It's all public record, including your past behavior. I think I've
done exactly what is expected of a list owner and moderator. Do
whatever you want. Who knows, if your intent is to get the list
shutdown maybe you will succeed.

Jim N3VXI

Date: Thu, 08 May 2003 15:32:31 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [150225] RE: Thoughts on Inexpensive DMM's
Message-ID: <5.1.1.6.1.20030508151523.00a6f210@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 03:01 PM 5/8/2003 -0400, you wrote:
>You know, the Simpson 260 was not that accurate and it is considered a
>trade standard...
>
>I suppose if I were to measure precise voltage, I would drag out the

>100MHz Tek scope...

Bob,

Most analog meter movements were regarded as +/- 3% of full scale. It was just the nature of the mechanical beast.

As for scopes, I have a hard time interpolating much more than about a tenth of a division. Since I usually use 2V/division for 5 volt logic and 5V/division for 12 volt circuits, that works out to something like 4%.

As for accuracy specs in general, there are (at least) two kinds: percent of reading and percent of full scale. They're not the same thing.

Percent of reading means +/- a percentage of the number you just got. 1% of reading on a 5 volt measurement means the actual voltage could be anywhere between 4.05 to 5.05 volts.

Percent of full scale means the error is based on the largest number the device can display. Usually for a multi-range voltmeter, it's the largest voltage you can display on that particular range. So if you're using the 20 volt range and measure 5 volts, 1% of full scale means the actual voltage could be anywhere from 4.8 to 5.2 volts.

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 8 May 2003 15:41:09 -0400
From: "Ron McConnell" <rcmcc@earthlink.net>
To: "'NJQRP'" <njqrp@njqrp.org>, "'QRP-L'" <qrp-l@lehigh.edu>
Cc: "'W2IOL'" <w2iol@arrl.net>
Subject: [150226] RE: 12Vdc Float Charger @ $7.49
Message-ID: <000301c31599$c7100000$cdcfa441@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="us-ascii"
Content-Transfer-Encoding: 7bit

Mark W4CHL says,
"Harbor Freight staff ask for the sale price item number, like the one on the VOM. Seems you gotta

have the right code number to get the sales price!"

The sales price item #s and sources are below.

Chicago Electric Auto Battery Float Charger
paper catalog 142-B Spring 2003
  Item # 42292-1AAB
reg. $14.99, sale $7.49

Cen-Tech 7 function digital DVM
email flyer "Father's Day Specials!"
May 07, 2003, 5:11pm EDT
 Item 30756-4VGA,
reg. $9.99, sale $2.99

The characters after the '-' in the item
appear to vary from regular to sale status.

> Try calling the 1-800-423-2567 phone number
> to see if they will honor the sales.

  http://www.harborfreight.com
>
> Good luck. Let us know how you do.

Cheers, 73,

Ron McC.
w2iol

Date: Thu, 08 May 2003 15:50:01 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [150227] Re: Unusual QRP rigs for sale
Message-ID: <5.2.0.9.2.20030508154524.02759488@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Oh come on John. That's way over the line. I LIKE Caity, I've done nothing
but GOOD business with her, and I felt Jim might have been slightly over a
line of his own... but c'mon. I find the rest of your comments much more
objectionable than anything Jim said or (I feel innocently may have
implied.) Keep comments like that private. I would have made THIS one
private, but felt it needed saying openly. Please fuss at me in private. I

won't have anything else to say publicly either.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: http://www.n4xy.com

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Thu, 08 May 2003 15:33:02 -0500
From: Monty N5ESE <n5ese@io.com>
To: AQRP@onelist.com, qrp-l@Lehigh.EDU, kd1jv@moose.ncia.net
Subject: [150228] AT Sprint - Pix
Message-ID: <5.1.0.14.0.20030508152915.00a79d70@mail.io.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hey Gang!

Here's the promised hi-res pix of the main board...

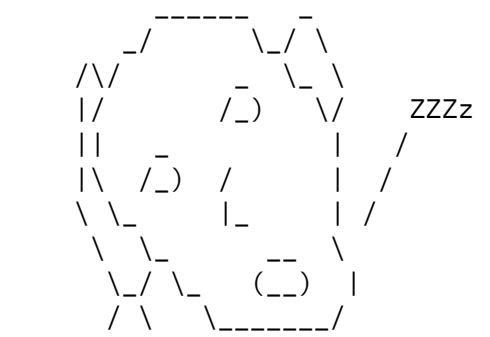
http://www.dit-dididit-dit.com/atsprint.htm

For other info, see Steve's page:

http://www.qsl.net/kd1jv/

72,
monty N5ESE

Monty Northrup, N5ESE (ex-N5FC) Austin, TX
e-mail: n5ese@io.com or maddog@io.com
web (ham):   http://www.dit-dididit-dit.com
web (home):   http://www.io.com/~maddog/



Date: Thu, 08 May 2003 20:40:25 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [150229] RE: Thoughts on Inexpensive DMM's
Message-ID: <Law9-F82HSDx9plrd7p00008eeb@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

OK, what say ye chaps about the Mastech DMMs (which I believe are what
Circuit Specialists sell as their "world beater series")?

They have a 4 1/2 digit true-RMS meter on sale for $55 (just enough to take
advantage of their free $30 meter offer for web purchases, too).

Brad

Date: Thu, 8 May 2003 15:03:51 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [150230] Lousy Band Conditions!
Message-ID: <Pine.LNX.4.44.0305081458070.2645-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just checked and the Flux is 110 but the A is 35! and the K is 4! so no wonder the bands are sounding dead. This is usually when I build a new receiver and discover it doesn't work. On the Breakfast Club this morning I could just hear a station 300 miles away that is under normal conditions 599+. That was 80 meters which generally is the last to have serious degradation but it is serious today!

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Thu, 8 May 2003 17:18:35 -0400
From: "Ken Newman" <N2CQ@Dandy.Net>
To: "N4SO" <N4SO@Juno.com>, "Norm Into" <normk8ni@neo.rr.com>,
        "W3BG" <W3BG@arrl.net>, "NJ-QRP Club" <NJQRP@njqrp.org>,
Subject: [150231] [CONTEST] N2CQ QRP Contest Calendar May 8-31
Message-ID: <004901c315a7$69d71190$8cea80d1@kensdell>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

~~~~~~
N2CQ QRP CONTEST CALENDAR
May 8-31, 2003
~~~~~~
Nevada QSO Party (All)
May 10 - 0000z to May 11 - 0600z
Rules: http://www.sk3bg.se/contest/nevqp.htm
~~~~~~
Oregon QSO Party (All) ... QRP Category
May 10 - 1400z to May 11 - 0200z
Rules: http://www.codxc.com/content/index.asp
~~~~~~

~~~~~~
FISTS Spring Sprint (CW) ... QRP Category
May 10 - 1700z to 2100z
Rules: http://www.fists.org/sprints.html
~~~~~~
CQM International DX Contest (CW/SSB/SSTV) ... QRP Category
May 10 - 2100z to May 11 - 2100z
Rules: http://www.sk3bg.se/contest/cqmidxc.htm
~~~~~~
Dayton Hamvention (QRP Event - FDIM)
May 16-18
Info: http://www.hamvention.org/
~~~~~~
HIS MAJESTY THE KING OF SPAIN CONTEST (CW)
May 17 - 1800z to May 18 - 1800z
Rules: http://www.sk3bg.se/contest/kingofsp.htm
~~~~~~
Baltic Contest (CW/SSB) (80 Meters)
May 17 - 2100z to May 18 - 0200z
Rules: http://www.sk3bg.se/contest/baltic.htm
~~~~~~
CQWW WPX Contest (CW) ... QRP Category
May 24 - 0000z to May 25 - 2400z
Rules: http://home.woh.rr.com/wpx/
~~~~~~
QRP ARCI Hoot Owl Sprint (CW) ... QRP Contest!
May 25 - 2000 to 2400 (Local Time)
Rules: http://personal.palouse.net/rfoltz/arci/hoot.htm
~~~~~~
Michigan QRP Memorial Day Sprint (CW) ... QRP Contest!
May 26 - 2300z to May 27 - 0300z
Rules: http://www.qsl.net/miqrpclub/
~~~~~~
Great Lakes QSO Party (Ph/CW/Digital) ... QRP Category
May 31 - 0000z to Jun 1 - 2400z
Rules: http://www.mdxa1.org/1aglqp.html
~~~~~~
Thanks to SM3CER, WA7BNM, N0AX(ARRL), WB3AAL and others
for assistance in compiling this calendar.

Please foreward the contest info you sponsor to N2CQ@ARRL.NET and
we will post it and give it more publicity.
Anyone may use this "N2CQ QRP Contest Calendar" for your website,
newsletter, e-mail list or other media as you choose.
(Include a credit to the source of this material of course.)
72 de
Ken Newman - N2CQ
N2CQ@ARRL.NET

http://www.njqrp.org/data/contesting.html
http://www.n3epa.org/Pages/Contest/contest.htm
http://www.qsl.net/cqrp/contests.html

Date: Thu, 8 May 2003 16:54:57 -0500
From: "Walter AG5P" <walter@accessus.net>
To: <qrp-l@lehigh.edu>
Subject: [150232] HB: selecting feedthru capacitors? help
Message-ID: <000f01c315ac$77e28d00$d2476ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi QRP-L HB'ers,
I need some help in figuring out how to chose the proper
feedthru capacitors, please!

Have been searching google.com, etc, but am not really
finding out how to select the proper caps. Somewhere
the info is lurking.

Thanks for your help,
72 / 73...Walter - AG5P.............Wright City, MO

Date: Thu, 8 May 2003 17:52:29 -0400
From: Rick McKee <kc8aon@juno.com>
To: kd1jv@moose.ncia.net, qrp-l@Lehigh.EDU
Subject: [150233] Re: The " 'Tenna Dipper"
Message-ID: <20030508.180650.9190.9.kc8aon@juno.com>

 A freq counter is needed to know what freq the oscillator is tuned too.
==========

Couldn't you just listen for it in your receiver ? That's what I do with
my old MFJ-207 that doesn't have a digital display !

      72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, HW-8, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters SW500 RX

Date: Thu, 08 May 2003 18:22:51 -0400
From: guy ghisu <guyg1@rcn.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@lehigh.edu>
Subject: [150234] QRP Quarterly
Message-ID: <3EBAD8BB.9080008@rcn.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Hello,
    I just received my spring 2003 QRP Quarterly.Lots of good reading.On page 6 there is a few
paragraphs about the QRP-l list and I think they are refering to the movie "Marathon Man".Remember,Dustin Hoffman in the chair and the "dentist" with the drill,saying over and
over "Is it safe,Is it safe"No mention about Caitlyn ,though.73, Guy kb3ckw

nb.The articles' title is "It's safe to go back to QRP-l" Lets make it safe.

Date: Thu, 8 May 2003 15:31:24 -0700
From: Mark Schoonover <schoon@amgt.com>
To: "'kc8aon@juno.com'" <kc8aon@juno.com>,
        Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150235] RE: The " 'Tenna Dipper"
Message-ID: <BF889CEBEFD2D511B993009027F60ABE4F6C58@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

Rick,

     I do the same thing. There might be enough room to put in a Stinger Singer, or one of those CW based counters to announce the freq...

72

.mark

> -----Original Message-----
> From: Rick McKee [mailto:kc8aon@juno.com]
> Sent: Thursday, May 08, 2003 2:52 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: The " 'Tenna Dipper"
>
>
> A freq counter is needed to know what freq the oscillator is
> tuned too.
> ==
>
> Couldn't you just listen for it in your receiver ? That's
> what I do with
> my old MFJ-207 that doesn't have a digital display !
>
>
>   72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <>
> Grid: EM88rl
> SW 40+, HW-8, Yaesu FT-7, Homebrew 6V6 tube TX &
> Hallicrafters SW500 RX
>   <>   RockMite
> 40   <>
>   QRP-L #2112, FPqrp #33, AR QRP #269
>   QRP'ers DEPEND ON SKILL - NOT RAW POWER !
>
>
> ____
> The best thing to hit the internet in years - Juno SpeedBand!
> Surf the web up to FIVE TIMES FASTER!
> Only $14.95/ month - visit www.juno.com to sign up today!
>
>

Date: Thu, 8 May 2003 18:36:10 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150236] Re: Lousy Band Conditions!
Message-ID: <019e01c315b2$399d54c0$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Gang,

I just built a 20 meter "J-Pole" antenna for the Dayton HamFest.
Will use it in the parking lot, flea market area. Anyway...
I was listening with it and the only 2 signals I heard
from 14010 to 14060 was one EA5 and a W4 that was mobile
in Miami Fl. I worked him...he had bad QRN on his side
so only got a 339 with my 4 watts. He was 559.

Point is, a J-Pole seems to work great..easy to put up...
used one of those German 10 meter fiberglas poles and taped
the J-Pole to it using ...what else...Duct tape :)
Antenna dimentions are :
long piece = 34 ft, short piece is 17 feet,
Tap at about 2 feet from bottom.

Se ya all in Dayton this year ....FUNFUNFUN!!!

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop http://kitsandparts.com

----- Original Message -----
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, May 08, 2003 5:03 PM
Subject: Lousy Band Conditions!

I just checked and the Flux is 110 but the A is 35! and the K is
4! so no wonder the bands are sounding dead. This is usually when I
build a new receiver and discover it doesn't work. On the Breakfast Club
this morning I could just hear a station 300 miles away that is under
normal conditions 599+. That was 80 meters which generally is the last
to have serious degradation but it is serious today!

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Thu, 08 May 2003 17:49:01 -0500
From: Jim Giammanco <giamman@rouge.phys.lsu.edu>
To: qrp-l@Lehigh.EDU
Subject: [150237] Re: The " 'Tenna Dipper"
Message-ID: <3EBADEDC.EC3F0C24@rouge.phys.lsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Steve,

Neat gadget, count me in if you do a kit, maybe even a bunch of us here
in BR might do a group build....

72
Jim N5IB

End of QRP-L Digest 2914
****
